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AN

# HISTORICAL NOTICE

OF THE

(ESSEX INSTITUTE.)

ACT OF INCORPORATION,  
CONSTITUTION AND BY-LAWS,

AND A

List of the Officers and Members.

SALEM:

PRINTED BY THE INSTITUTE,

DECEMBER, 1865.

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# APPENDIX

OF

## THE HISTORY

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1.

**Essex institute, Salem, Mass.**

An historical notice of the Essex institute. Act of incorporation, constitution and by-laws, and a list of the officers and members. Salem, Printed by the Institute, 1865.

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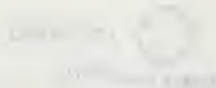
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## NOTICE.

### THE PROCEEDINGS OF THE ESSEX INSTITUTE

are issued in Quarterly Numbers.

*Subscription Price, \$3 per year.*

### 'THE NATURALISTS' DIRECTORY

is issued with the Proceedings.

*Subscribers to the Proceedings receive the Directory free.*

### THE HISTORICAL COLLECTIONS

are published in Quarterly Numbers.

*Subscription Price, \$2 per year.*

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Subscriptions received by the AGENTS of the Institute, or by  
HENRY WHEATLAND, *Secretary*, and F. W. PUTNAM, *Superintendent*  
ESSEX INSTITUTE, SALEM, MASS.

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The Publications of the Institute are offered in exchange for the  
Publications of other Societies, and for Journals, Magazines, Historical  
and Scientific works.

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#### AGENTS:

TRÜBNER & CO., 60 PATERNOSTER ROW, LONDON.  
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# NOTES

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

LABORATORY OF PHYSICAL CHEMISTRY

CHICAGO, ILLINOIS

1911

BY

ROBERT H. BAKER

AND

WILLIAM F. GILBERT

THE UNIVERSITY OF CHICAGO PRESS  
CHICAGO, ILLINOIS

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HISTORICAL NOTICE  
OF THE  
ESSEX INSTITUTE.

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On visiting any institution, the *first* questions suggested, are, its objects and its utility; these have been frequently discussed, particularly in notices of institutions of a similar organization to our own, and their importance is universally admitted. The *second* relate to the history of the institution, and are modified by circumstances peculiar to each. The inquiry is frequently made, Whence sprang these libraries and these collections? How are they sustained? To whom are due the inception and development of plans that have produced these results? The consideration of these and kindred subjects is the object of the present notice.

THE ESSEX INSTITUTE

was formed in 1848, by the union of the Essex Historical and the Essex County Natural History Societies.

ESSEX HISTORICAL SOCIETY.

The Rev. William Bentley, D. D., the distinguished antiquarian and scholar, of Salem, died December, 1819. During his pastorate in this place for nearly forty years, he made a large and valuable collection of books, pamphlets, manuscripts, &c., illustrative of the history of this section of New England. A desire to obtain and secure for Salem this collection, amassed with so much care, prompted the idea of the formation of the Historical Society.

Application was made to the executor of the estate, who stated that if a suitable society should be formed for their reception and safe keeping, he would place them in its charge. With this encouragement, and mainly through the exertions of George A. Ward, several gentlemen held a meeting on the 21st of April, 1821, Hon. Joseph Story presiding, and formed themselves into an association under the name of the *Essex Historical Society*, whose object should be to coöperate with other kindred societies in collecting and preserving all authentic memorials relating to the civil history of Essex county, and the eminent men who have resided within its limits, from its first settlement; also, all facts relating to its natural history and topography; and thus to provide the most ample materials



for an authentic history of this part of our Commonwealth. It was supposed that much valuable information, of a purely local nature, would thus be collected, which from the peculiar relations of this county to the country at large, especially in its early history, would possess a great and general interest. At this meeting a committee was appointed to prepare a constitution and report at an adjourned meeting which took place on the 28th inst.; the report was then accepted and officers elected in conformity thereto. The standing committee was also directed to prepare and present a petition, to the Legislature, for an act of incorporation.

#### PETITION FOR INCORPORATION.

*To the Honourable the Senate and the Honourable the House of Representatives in General Court assembled.*

The petition of the undersigned, inhabitants of the county of Essex, humbly shews, that your petitioners, cherishing a grateful recollection of their ancestors, whose love of civil and religious liberty led them to relinquish the peaceful enjoyments of polished life, and to establish in a rude and unexplored country such institutions as should best secure those inestimable blessings; and being solicitous to transmit to posterity all memorials which shall tend to perpetuate the remembrance of those distinguished men, more especially of such as were conspicuous in the county where your petitioners reside, which is the most ancient settlement in the territory originally known by the name of Massachusetts; have formed themselves into an association, under the name of the ESSEX HISTORICAL SOCIETY, the object of which is, to coöperate with other institutions of the like nature, in collecting and preserving all authentic memorials relating to the civil history of the county of Essex, and the eminent men who have been inhabitants of it, from its first settlement, as well as all facts relating to its natural history and topography; and thus to provide the most ample materials for an authentic history of this part of our commonwealth.

Your petitioners therefore pray, that they may, for the more orderly conducting of their affairs, be made a corporation, with all necessary powers for carrying into effect the design of their association; and as in duty bound will ever pray.

EDWARD AUGUSTUS HOLYOKE,	JOSEPH STORY.
JOHN PRINCE,	BENJAMIN PICKMAN,
JACOB ASHTON,	NATHANIEL BOWDITCH,
NATHANIEL SILSBEE,	JOHN PICKERING,
ICHAOD TUCKER,	JOHN S. APPLETON,
LEYERETT SALTONSTALL,	GEORGE CLEVELAND,
BENJAMIN MERRILL,	FREDERICK HOWES,
THOMAS CARLILE,	JOHN BRAZER,
DANIEL A. WHITE,	JOHN GLEN KING,
GIDEON BARSTOW,	WILLIAM GIBBS,
CHARLES C. CLARKE,	JOSEPH A. PEABODY,
THOMAS P. BANCROFT,	BENJAMIN R. NICHOLS,
STEPHEN WHITE	and GEORGE A. WARD.

*Salem, June 2, 1821.*







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AN ACT  
TO INCORPORATE THE  
ESSEX HISTORICAL SOCIETY.

SECT. 1. *Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same.* That EDWARD AUGUSTUS HOLYOKE, of Salem, in the county of Essex, doctor of medicine, and such other persons as have associated or may hereafter associate themselves with him for the purpose of collecting and preserving materials for the civil and natural history of the said county of Essex, be, and they hereby are, made a body corporate and politic by the name of the ESSEX HISTORICAL SOCIETY; and by that name they and their successors may sue and be sued, and shall be capable in law to take and hold in fee simple, or otherwise, lands, tenements, rents and hereditaments, not exceeding in the whole the yearly value of two thousand dollars, exclusive of the building or buildings which may be actually occupied for the purposes of the said corporation; and they shall also be capable in law to take, receive and hold personal estate, to an amount, the yearly value of which shall not exceed the sum of two thousand dollars, exclusive of the books, papers, memorials and other articles composing the library and cabinet of the said corporation; and they shall also have power to sell, demise, exchange, or otherwise dispose of, all or any part of their lands, tenements, rents, hereditaments and other property aforesaid, for the benefit of the said corporation; and shall also have a common seal, which they may break, alter and renew at their pleasure; and shall also have power to make by-laws, with suitable penalties, not repugnant to the laws of this commonwealth.

SECT. 2. *Be it further enacted.* That the said corporation shall have power, from time to time, as they may think fit, to elect a president and such other officers as they shall judge necessary; and at their first meeting they may agree upon the manner of calling future meetings, and proceed to execute all or any of the powers vested in them by this act.

SECT. 3. *Be it further enacted.* That the library and cabinet of the said corporation shall be kept in the town of Salem aforesaid.

SECT. 4. *Be it further enacted.* That the said Edward Augustus Holyoke be and hereby is authorized to notify the said first meeting of the said corporation by an advertisement thereof under his hand for seven days before such meeting, in any newspaper printed in Salem aforesaid.

*Approved by the Governor, June 11, 1821.*

The first corporate meeting was held on Wednesday, the 27th June, 1821, and the society was organized, pursuant to their Act of Incorporation, by the adoption of a Constitution and the choice of officers to serve until the first annual meeting on the 6th of September, in commemoration of the day of the landing of Governor Endicott, at Salem, in 1628. The venerable and learned Dr. E. Augustus Holyoke, who always took the most lively interest in whatever concerned American literature and science, was elected the first President, and presided at this meeting.



## CONSTITUTION.

ART. I. The Society shall be called *The Essex Historical Society*, and shall consist of resident and honorary members, the former of whom shall be persons residing within the county of Essex.

ART. II. The object of the society shall be, to procure and preserve whatever relates to the topography, antiquities, and natural, civil and ecclesiastical history of the county of Essex.

ART. III. The officers of the society shall be a president, a vice president, a recording secretary, a corresponding secretary, a treasurer, a librarian and cabinet-keeper, and nine trustees, of which the president and vice president shall *ex officio* be two; and all the officers shall be chosen by ballot, at the annual meeting of the society, on the sixth day of September.

ART. IV. It shall be the duty of the trustees to receive donations, and to manage and superintend all the concerns of the society; they shall hold meetings as often as occasion shall require, and at the annual meeting on the sixth day of September they shall make a report in writing of the transactions of the preceding year.

ART. V. Four meetings of the society shall be held at Salem in every year; the first meeting, at which the officers shall be chosen, shall be on the sixth day of September, being the day of the landing of Gov Endicott at Salem, A. D. 1628; *provided however*, that when that day shall happen on Sunday, the meeting shall be holden on the Tuesday following; the other meetings on the first Tuesdays of December, March and June; and special meetings may be called at the same place by the president, or in his absence the vice president, on the application of the trustees, by publishing a notification in some newspaper printed in Salem. The President, and in his absence the vice president, shall preside at all meetings.

ART. VI. Each resident member shall, upon his admission, pay the sum of *ten dollars*.

ART. VII. The members of the society shall be chosen by ballot, at a stated meeting of the society; but no person shall be admitted as a member, unless he has been nominated at some stated meeting preceding that at which the vote shall be taken for his admission.

ART. VIII. Five members shall be a quorum for holding any meeting.

The following circular was distributed among the friends of the society.

The object of the Essex Historical Society is, as stated in the 2d article of the constitution, "to procure and preserve whatever relates to the topography, antiquities, and natural, civil and ecclesiastical history, of the county of Essex." Members of the society, and other persons who feel a desire to promote these interesting and important purposes, will gratify the society by aiding in obtaining collections, for its use, of the following:

1. Topographical sketches of the towns and parishes where they reside, or with which they are particularly acquainted; including an account of the soil, agriculture, manufactures, commerce, remarkable buildings, natural curiosities and statistics of such places.



2. Sketches of the history, civil and ecclesiastical, of such towns and parishes, and as far as may be with minute references to dates, and biographical notices of the ministers, lawyers, physicians, and other most distinguished men, who were born or have resided therein.

3. Original letters, documents and papers illustrating any of these subjects, particularly such as were written by distinguished men at home or abroad, which show the private habits, manners or pursuits of our ancestors, or are connected with the public history of this county, or of this commonwealth.

4. Portraits of distinguished persons who were born or have resided in this county, or were connected with the history of the commonwealth, particularly the portraits of our ancestors, and of distinguished persons in England, of the same age.

5. Sermons, orations, occasional discourses and addresses, books and pamphlets, printed in the commonwealth, and especially such as have been written by persons born or residing within the commonwealth.

6. Besides these the society will receive donations of any other books, pamphlets, portraits, manuscripts and printed documents, with which any gentleman may please to favour them; and in all cases, unless otherwise requested, the donor's name will be entered in the records of the donations of the society.

*Salem, June 27, 1821.*

Notwithstanding the disappointment in not obtaining the Bentley papers, which were otherwise distributed, the zeal and ability of the members and their friends, in a short time gathered together a good collection of portraits and curiosities, illustrative of the early history of the county, and a nucleus of a library containing files of several newspapers, pamphlets, public documents, &c. These were first deposited in Essex Place, then in the room over the Salem Bank, and afterwards in Lawrence Place, until the union.

On the 6th of September, 1825, the day of the annual meeting, Hon. Leverett Saltonstall delivered a public address before the Society, in the first Church, which was well received. This discourse was never printed.

On Thursday, the 18th of September, 1828, the society celebrated in a public manner, the 200th anniversary of the landing of Governor Endicott and his band of Pilgrims at Naumkeag. The day was uncommonly fine; a vast concourse of strangers, many of the first distinction, were present; the venerable Dr. Holyoke, who had seen his 100th birth day, presided. The military escort, the eloquent address by Hon. Joseph Story at the North Church, the rich intellectual and social banquet at Hamilton hall; these and other interesting incidents connected therewith render the occasion one to be long remembered in the annals of the society.





## ESSEX COUNTY NATURAL HISTORY SOCIETY.

The formation of a Society of Natural History, was proposed in the Salem Gazette for Tuesday, Feb 1, 1831, in a communication under the signature of Elah.\* In the Salem Observer for the Saturday following, two other communications on the same subject appeared, calling the public attention to the importance of institutions designed for the encouragement of a taste for the study of the natural sciences. Occasionally articles of a similar import were published in the newspapers, but no definite action was taken until December, 1833, when on the evening of Saturday, the 14th inst., a meeting of those friendly to this project was held, which resulted in the organization of the Essex County Natural History Society, Dr. A. Nichols, of Danvers, President, and J. M. Ives, of Salem, Secretary.

The following circular was printed and circulated calling attention to the organization of a Society of Natural History.

Salem, Jan'y 1, 1834.

To promote more generally the study of Natural History in the County of Essex, a Society has been lately formed, the Constitution of which is before you. It is proposed to procure, as soon as possible, a Library consisting of standard works, and a Cabinet of Specimens in Natural History, and especially as complete a collection as possible of the Natural productions of Essex County. In this design your aid is respectfully solicited. You are requested to invite such of your friends and acquaintance as may feel an interest in the promotion of this object, or a taste for such studies, to subscribe the Constitution and become members. Ladies you will perceive are not excluded, and it is anticipated that they will contribute much to the success of the Society. Several in Salem have already become subscribers. Donations in money, books, drawings, or specimens of the productions of the three kingdoms in Nature, especially such as illustrate the Natural History of the County, will be gratefully received and carefully appropriated and preserved. It is intended to make it a County Society, and although the Library and the Collections must have a local habitation, of more convenient access to some than to others, no pains will be spared to extend the benefits as equally as possible among all that contribute to its means of usefulness. Communications on the location, habits and uses of minerals, plants, and the various tribes of Animated Nature, are also solicited. Communications, subscriptions, donations, &c. may be transmitted to J. M. Ives, Secretary and Treasurer, Holyoke Place, Essex Street. Salem.

Per order of the Curators.

John M. Ives, Sec'y.

\*Written by Benjamin Hale Ives, an enthusiastic and zealous naturalist; his attention was mainly directed to the study of Insects, though he by no means neglected the collateral branches. He was the youngest son of William and Mary (Bradshaw) Ives—born at Salem, Nov. 8, 1806—died Jan'y, 26, 1837.





## CONSTITUTION.

### ARTICLE I.

THE Society shall be called THE NATURAL HISTORY SOCIETY OF THE COUNTY OF ESSEX,

### ARTICLE II.

The officers of this Society shall be a President; a first and second Vice-President; a Secretary, who shall also be Treasurer; and a Librarian, who shall also be Cabinet Keeper.

### ARTICLE III.

The President, Secretary, and Cabinet Keeper, with four others chosen by the Society for that purpose, shall be the Curators, who shall have the management of all the concerns of the Society, subject to the directions of the Society.

### ARTICLE IV.

The officers shall be chosen at the annual meeting by ballot.

### ARTICLE V.

The annual assessment for each member shall be two dollars.

### ARTICLE VI.

This Constitution may be altered, by a vote of two thirds of the members present, at any regular meeting of the Society, notice being given of the intended alteration.

### ARTICLE VII.

The mode of calling the meeting, and giving notice of the same, shall be determined by a majority of the Curators.

### ARTICLE VIII.

Any person may become a member of the Society by signing the Constitution, and paying the annual assessment.

### ARTICLE IX.

Members may be expelled from this Society, by a vote of three-fourths of the members present, at the annual meeting.

### ARTICLE X.

The Annual Meeting shall be on the third Wednesday in June.

### ARTICLE XI.

Any person may become a life member of this Society, by the payment of twenty dollars, and shall not be subject to the annual assessment.

### ARTICLE XII.

Corresponding members, residing out of the County, shall be chosen by ballot, after having been nominated at a meeting, previous to that on which the ballot is taken.

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In furtherance of these objects of the Society, a meeting was held in Topsfield on Wednesday, 16th of April, 1834, to complete the organization by the appointment of committees, &c. Specimens in the various branches, with apparatus for their collection, were exhibited and illustrated by William Oakes of Ipswich, Dr. Andrew Nichols of Danvers, and others.

An Act of Incorporation was obtained in February, 1836.

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AN ACT  
TO INCORPORATE THE  
ESSEX COUNTY NATURAL HISTORY SOCIETY.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, That* ANDREW NICHOLS, WILLIAM OAKES, and WILLIAM PRESCOTT, and their associates, are hereby made a corporation, by the name of the ESSEX COUNTY NATURAL HISTORY SOCIETY, for the purpose of promoting, the Science of Natural History, with all the powers and privileges, and subject to all the liabilities contained in the forty-fourth chapter of the Revised Statutes of this Commonwealth, "passed on the fourth day of November, in the year one thousand eight hundred and thirty-five," and for the purpose aforesaid may hold real estate to the amount of ten thousand dollars, and personal estate, exclusive of the books, papers and articles in the cabinet of said society, to the amount of twenty thousand dollars.

*Approved by the Governor, Feb. 12, 1836.*

The Cabinets and Library were first deposited in Essex Place; Monday, Dec. 21, 1835, removed to Franklin Building; Dec. 6, 1837, to Masonic Hall, in Chase's Building, Washington Street; and to Pickman Place, Oct. 31, 1842, where they remained until the union.

Soon after its organization the attention of the Society was directed to horticulture. Its rooms were opened occasionally during every season, with greater or less frequency as circumstances would permit, for exhibitions of Fruits and Flowers—these have not been confined to the products of the garden or the greenhouse, those floral treasures which horticulture has introduced from foreign climes; but many of the rare and curious plants, congeners to our own forests, mountains, lakes and rivers, have afforded an interesting attraction to these floral displays.

The first exhibition took place on Friday, July 11, 1834. The first general exhibition, which continued for several days, occurred on Tuesday and Wednesday, September 14th and 15th, 1841; at that time the number of contributors was seventy-six; about three hundred plates of fruit were placed on the tables, comprising one hundred and fifty-three varieties, viz.: ninety-four of Pears, twenty-five of Apples, ten of Peaches, eight of Plums, eight of Grapes, four of Melons, two of Quinces, one of Nectarines and one of Filberts. Since that time, exhibitions have been held to which contributions have been received from one hundred and ninety-one individuals, and two thousand dishes or baskets of Fruit placed upon the tables, consisting of six hundred and sixty-nine varieties, viz.: of Pears three hundred and twenty-seven; Apples one hundred and eighty-one; of Peaches eighty-two; of Plums twenty-three; of Grapes forty-one; of Quinces, Nectarines, Figs and Melons, three each; of Oran-

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ges, Lemons, and European Walnuts, one each. The above comparison indicates that these exhibitions have been instrumental in diffusing, through the community, a more general and extensive taste for horticultural pursuits.

At the annual meeting in June, 1836, Mr. John Lewis Russell delivered a public address in Franklin Hall. This was printed, constituting the first article in the Journal of the Society.

The "JOURNAL OF THE ESSEX COUNTY NATURAL HISTORY SOCIETY," comprising one volume, of three numbers, issued in 1836, 1838 and 1851, was published by the Society and contains the following articles:—

JOHN LEWIS RUSSELL.

Address delivered before the Essex County Natural History Society on its Second Anniversary, June 15, 1836. . . . . p. 5.

Familiar Notice of some of the Shells found in the limits of Essex County. . . . . p. 47.

Two New Species of Musci, with figures. . . . . p. 92.

Notice of Rare Plants; with a description of a (supposed) variety of *Cladonia nuchalis*. . . . . p. 96.

Retrospect of some of the Shells found in Essex County. . . . . p. 110.

Observations on the Polytrichaceæ; with a notice of some species occurring in Essex County. . . . . p. 117.

Minute Polythalamous Shells occurring on the coast of Maine. . . . . p. 121.

Further notice of rare Plants. . . . . p. 125.

Conspectus of Shells found in Essex County. . . . . p. 126.

HENRY WHEATLAND.

Notice of the occurrence of *Vespertilio pruinosis* Say: Hoary Bat. . . . . p. 76.

Notice of several Fishes of rare occurrence. . . . . p. 122.

WILLIAM PRESCOTT.

A Sketch of the Geology and Mineralogy of the Southern part of Essex County. . . . . p. 78.

ANDREW NICHOLS.

Remarks on *Hyla Pickeringii* observed in the North Parish of Danvers. p. 93.  
(Note on page 134.)

On the occurrence of *Scaphiopus Solitarius* in Essex County, with some notice of its history and habits. . . . . p. 113.

THADDEUS WILLIAM HARRIS.

Remarks upon *Scarabæus Goliatus* and other African Beetles allied to it. p. 101.

The Danvers Bowlder, or "Ship Rock." . . . . p. 120.

During the Winter of 1837 & 8, a course of six lectures were delivered, under the direction of the Society; the 1st, Dec. 11th, by Dr. A. Nichols, on the Poetry of Natural History; 2d, Dec. 18th, by Thomas Spencer, on the introduced plants of Salem and vicinity; 3d, January 1st, by H. K. Oliver, on Bees; 4th, January 15th, by Dr. W. Prescott, on the Geology of the Southern portion of Essex County; 5th, March 12th, by H. Colman, on the pleasures and advantages of agricultural life; 6th, March 26th, by J. L. Russell, on Geology. In July, 1838, Mr. J. L. Russell delivered a course of lectures on Botany, to a private class, in the Society's rooms.

During the autumn of 1847, the Historical and Natural History Societies held several meetings to effect a union. A joint committee was appointed to draft a plan to serve as a basis of organization. The plan offered by the committee was accepted by the Societies, at a meeting held on January 14th, 1848. The Act of Incorporation from the Legislature was obtained in February of the same year, and on the first of March following, by its acceptance, the ESSEX INSTITUTE was organized.





ESSEX INSTITUTE.  
AN ACT  
TO INCORPORATE THE  
THE ESSEX INSTITUTE.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:*

SECT. 1. The members of the Essex Historical Society, and the members of the Essex County Natural History Society, together with such persons, as may hereafter associate with them, are hereby made a corporation by the name of the "Essex Institute;" with all the powers and privileges, and subject to all the liabilities, contained in the forty-fourth chapter of the Revised Statutes.

SECT. 2. Said corporation may hold real estate to the amount of thirty thousand dollars, and personal estate, exclusive of the books, papers, and articles in the cabinets of said corporation, to the amount of twenty thousand dollars.

SECT. 3. The Essex Institute shall have for its object the advancement of horticulture, in addition to the objects for which the Essex Historical Society and the Essex County Natural History Society were incorporated.

SECT. 4. All property now owned by said Essex Historical Society, and said Essex County Natural History Society, and all property that may accrue to either of said societies, shall belong to the Essex Institute.

SECT. 5. All donations and bequests which may have been made to the Essex Historical Society, or to the Essex County Natural History Society, shall accrue to, and become the property of, the Essex Institute, and shall be devoted to the objects for which such donation or bequest was made.

SECT. 6. The income from the funds of the Essex Historical Society shall be devoted to the objects of the historical department, and the income from the funds of the Essex County Natural History Society shall be devoted to the objects of natural history, or horticulture: *provided, however*, if the said corporation shall at any time be in arrears in meeting its current expenses, from the sums received from annual assessments, the income from the historical funds and the income from the natural history funds, shall be applied, *pro rata*, to meet the deficiency.

SECT. 7. The treasurer shall keep separate accounts of the funds which belonged to the Essex Historical Society and to the Essex County Natural History Society, under the direction of a finance committee, to be appointed at the annual meeting.

SECT. 8. The library and cabinets of said corporation shall be kept in the city of Salem.

SECT. 9. The Essex Institute shall be liable for all the debts due from the Essex Historical Society and from the Essex County Natural History Society.

SECT. 10. The president of the Essex Historical Society, or the president of the Essex County Natural History Society, is hereby authorized to notify the first meeting of the Essex Institute, by an advertisement thereof, under his hand, for seven days before such meeting, in any newspaper printed in the city of Salem.





SECT. 11. This act shall take effect from and after its adoption by the Essex Historical Society and the Essex County Natural History Society, at meetings of the two societies held for that purpose; and all acts inconsistent with this act shall, after the adoption hereof, be considered as repealed.

*Approved by the Governor, Feb. 11, 1848.*

A committee to prepare a Constitution and By-Laws was appointed, and their report was accepted at a meeting held on the 8th of March.

Thus organized, the Institute consists of three departments:—the HISTORICAL, having for its object the collection and preservation of whatever relates to the geography, antiquities, civil and ecclesiastical history of Essex County, in Massachusetts. The NATURAL HISTORY, for the formation of a Cabinet of natural productions in general, and more particularly of those of the County, and for a Library of standard works on the natural sciences. The HORTICULTURAL, for promoting a taste for the cultivation of choice fruits and flowers, and also for collecting works on horticulture and agriculture in connection with the general Library.

#### LIBRARY.

The Library contains about 22,000 volumes, comprising numerous files of newspapers, public documents, local histories, &c.; also the transactions or collections of various historical, agricultural, scientific and other societies; besides many valuable works illustrative of the natural sciences; about 50,000 pamphlets, (exclusive of duplicates,) political, historical, educational, &c., unbound, arranged according to subjects.

These have principally been obtained by donations or exchanges. Among the donors may be mentioned our late lamented President, Hon. D. A. White, who has at different times, during his life and at his decease, given or bequeathed some 8,000 volumes comprising a good series of the Old English Classics, also of the Latin and Greek, and several volumes printed during the 15th and 16th centuries,—the late Mrs. Eliza L. Rogers, who bequeathed a copy of Audubon's Birds of America; and the late Ichabod Tucker and Thomas Cole, besides many friends of the Institute whose names it would be invidious to mention. Over two thousand books and pamphlets were added to the library during the past year by donation and exchange.

#### MUSEUM.

The several departments of the Institute are well represented, and in a number of the classes of the Animal Kingdom the collections are inferior to but one or two others in the Country; though the crowded state of the rooms devoted to the Museum will not allow of their being so advantageously arranged as is desirable. The



specimens in several of the classes are, however, arranged and identified, and catalogues of these will soon be published. In order to do as much good as possible with the duplicate specimens a large number have been sent, as donations, to other Institutions, during the past year and several other collections are now being made up for transmission. In consequence of this liberal use of its rich supply of duplicates, the Institute has been the recipient of large and valuable collections from Scientific Institutions and men, both in this country and abroad, and the specimens are now arriving in such numbers as to tax its resources to their utmost in order that the proper care be taken of these treasures.

The following estimate of the number of specimens (exclusive of a large number of duplicates) in the various departments of the Museum presents a general view of the character of the collection at the present time.

#### HISTORICAL DEPARTMENT.

The section of Ethnology contains about 1400 specimens, illustrating the habits, costumes, war and domestic implements of the various races and nations.

In the section of Manuscripts there are a very large number of Manuscripts relating to our early civil and ecclesiastical history.

In the section of Fine Arts there are several hundred Portraits, Paintings and Engravings, many of which are of great historical value.

#### DEPARTMENT OF NATURAL HISTORY.

	<i>Specimens.</i>
<i>Geological specimens</i> , about . . . . .	220
<i>Minerals</i> , about 2200 specimens, of which 196 are from Essex County, . . . . .	2200

#### FOSSILS.

<i>Radiates</i> , 206 species, 270 specimens.	
<i>Mollusks</i> , 1200 " 2300 "	
<i>Articulates</i> , 24 " 56 "	
<i>Vertebrates</i> , 90 " 120 "	
<i>Plants</i> , 135 " 200 "	<i>Fossils</i> , . 2926

#### RECENT.

*Plants*, about 5000 species, native and foreign, among which are nearly all the species found in Essex County, a number of specimens of wood, and a large number of seeds &c., in all about 6500.

<i>Plants</i> , . . . . .	6500
<i>Sponges</i> , 42 species, 100 specimens, . . . . .	100
<i>Alcæphs</i> , . . . . .	
<i>Polyps</i> , . . . . .	
<i>Echinoderms</i> , . . . . .	
} 456 species, 1500 specimens.	
<i>Radiates</i> , . . . . .	1500



*Mollusks*, in alcohol, 500 species, 1000 specimens.

*Shells*, 4172 species, 8000 specimens.

*Mollusks*, . . . 9000

*Worms*, 110 species, 200 specimens.

*Crustaceans*, 150 " dry, 330 species in alcohol,  
about 1300 specimens.

*Insects*, 21500 specimens pinned, 5000 specimens in alcohol; of these 2500 species of the pinned have been catalogued.

*Nests*, 15 species, . . . *Articulates*, . . . 28015

*Fishes*, 1000 species, 2000 specimens in alcohol, and about 200 specimens dry and mounted.

*Reptiles*, 400 species, 1000 specimens, principally alcoholic. (A fine collection of *Turtles* mounted.)

*Birds*, 100 species, 150 specimens in alcohol; 411 species, 500 specimens mounted.

*Birds' nests*, 50 species, 80 specimens.

*Birds' eggs*, 240 " 525 "

*Mammals*, 51 " 75 " in alcohol;

" 65 " 70 " mounted;

" 9 " 10 " as skins.

*Vertebrates*, . . . 4610

*Skulls of Mammals*, 172 species, 230 specimens, of which 39 are human.

*Skulls of Birds*, . . . 150 species, 200 specimens.

" " *Reptiles*, . . . 27 " 27 "

" " *Fishes*, . . . 10 " 10 "

*Skeletons of Mammals*, . . . 15 " 20 "

" " *Birds*, . . . 8 " 9 "

" " *Reptiles*, . . . 6 " 6 "

" " *Batrachians*, . . . 10 " 30 "

" " *Fishes*, . . . 13 " 13 "

*Parts of Skeletons of Mammals*, 8 " 8 "

" " *Birds*, 10 " 10 "

*Teeth of Mammals*, . . . 14 " 30 "

*Jaws of Fishes*, . . . 15 " 20 "

*Horns and Antlers*, . . . 43 " 43 "

*Osteological collection*, . . . 656

#### MEETINGS.

The meetings of the Institute are as follows, viz.:

Stated Quarterly meetings; Regular meetings on the 1st and 3d Monday evenings of each month, and Field meetings during the summer months at such times and places as may be agreed upon.

The first field meeting took place in Danvers on Tuesday, June 12, 1849. At that time the interesting localities of the *Vaccinium vitis-idea* in Danvers, also that of the *Andromeda polifolia* near Cedar pond in Wenham, were visited. These meetings were continued for some two or three years, when they were discontinued in consequence of the removal by death of several of those members who were the most interested, among whom may be mentioned THOMAS

The first part of the paper discusses the importance of the study of the history of the United States. It is argued that a knowledge of the past is essential for a proper understanding of the present. The author then proceeds to a detailed examination of the early years of the Republic, from the time of the signing of the Declaration of Independence to the end of the War of 1812. This section covers the political, social, and economic developments of the period, and the role of the various states in the formation of the new nation.

The second part of the paper deals with the period from 1812 to 1860. This was a time of great change and growth for the United States. The country expanded its territory to the Pacific Ocean, and its population increased rapidly. The author discusses the various factors that contributed to this growth, including the discovery of gold in California, the invention of the steam locomotive, and the development of the cotton gin. He also examines the political and social issues of the time, such as the debate over slavery and the role of the federal government.

The third part of the paper covers the period from 1860 to 1890. This was a time of great conflict and change for the United States. The Civil War, which lasted from 1861 to 1865, was a turning point in the nation's history. It resulted in the abolition of slavery and the establishment of a more unified federal government. The author discusses the various factors that led to the war, including the economic and political differences between the North and the South. He also examines the social and economic developments of the Reconstruction period, and the role of the federal government in the process.



COLL, a graduate of Harvard of the class of 1798; for many years a resident of Salem; a distinguished teacher, a ripe and elegant scholar; and, in the later years of his life, a distinguished microscopist. His decease occurred on the 24th of June, 1852. ANDREW NICHOLS, a valued Physician; one of the founders of the Essex County Natural History Society; its president from the period of its organization until the annual meeting in June 1845, at which time he resigned the office. Born in the rural part of Danvers, where nature was unusually attractive to its admirers, he early imbibed a taste for the study and investigation of its works. He was particularly conversant with the geological formations, and with the wild flowers and trees of his neighborhood, many of which he was the first to recognize and publish to the world, through his friend Dr. Jacob Bigelow, in the "*Florula Bostoniensis*." He died on the thirty-first of March, 1853.

In consequence of the accession of several young and enthusiastic members, these meetings were again renewed in the summer of 1856, and have been continued since that time with great success and an increasing interest. Usually six are held each season in different places in the county, as circumstances may decide. Thus far meetings have been held in twenty-seven of the thirty-four towns belonging to the county, and in thirty-five different localities. The forenoon is devoted to rambling in the woods and fields, or on the beach, in quest of Nature's treasures or visiting some old historic or antiquarian relic. In the afternoon the attendants assemble in some church, town-hall, or schoolhouse, and after a collation discuss the subjects presented to notice during the day. The public are invited to be present and to participate on these occasions; and these meetings are now very popular and largely attended.

The first evening meeting took place on Thursday, Dec. 11, 1851. They have since been continued during the wintry months and have been fully attended by members and their friends.

#### LECTURES.

Two courses of Miscellaneous lectures on the Natural Sciences have been given by the Society.

One, of six lectures, during the Spring of 1863, by Professors Agassiz, S. Tenney, J. P. Cooke, W. B. Rogers, and Messrs. C. M. Tracy, and F. W. Putnam. The other, a course of ten lectures, during the winter of 1863 and 1864, by Dr. C. T. Jackson, Professor B. Peirce, President Hill of Harvard University, and Messrs. C. W. Tuttle, Cleveland Albe, N. E. Atwood, Alpheus Hyatt, C. M. Tracy, and A. E. Verrill.





Rev. J. L. Russell, in May, 1852, delivered a course of ten lectures on the Development of the Plant, to a private class in the rooms of the Institute; also a similar course in the months of January and February, 1859. During the winter of 1853 and 1854, several of the meetings were devoted by Mr. Russell to lectures on Insects.

F. W. Putnam in the months of April and May, 1861, delivered a course of lectures on Zoölogy in the Hall of the Institute; also a course of five lectures on Insects, on the five Thursday evenings of March, 1865, at the Lyceum Hall, under the auspices of the Institute.

C. M. Tracy gave a course of eight lectures on Botany, at the Institute rooms, commencing on Saturday afternoon, April 29, 1865, and continued on successive Saturdays.

#### PUBLICATIONS.

Two Publications are issued under the direction of a Committee of the Institute. From the year 1848 to that of 1860, two volumes of the PROCEEDINGS OF THE ESSEX INSTITUTE were published. These volumes contained the papers, on various subjects, which had been communicated at the meetings of the Society, and the records of the meetings. In April 1859, another publication was commenced by the Committee, under the title of THE HISTORICAL COLLECTIONS OF THE ESSEX INSTITUTE, which contains abstracts from the old Town and Church Records, old Journals and Diaries, and those papers of an historical character which had been read at the meetings. Before the close of the year this publication was issued in regular bi-monthly parts and has now reached its seventh volume. From 1860 to 1863, the third volume of the Proceedings was published. With the commencement of the year 1864, the Proceedings were somewhat changed in their character and issued quarterly. The eight numbers published during 1864 and 1865 form volume fourth, and contain the records of the meetings, with the quarterly lists of the donations to the Museum and Library, and communications on Natural History and Horticulture which have been read before the Society. The Communications are distinctly pagged to allow of their separate binding if desired. Fifteen octavo plates and a number of wood cuts accompany the fourth volume.

THE NATURALISTS' DIRECTORY is published with the Proceedings, commencing with number five of volume fourth. It is pagged by itself and is intended to be bound as a distinct work. When completed, it will contain as full a list as it is possible to obtain of all Naturalists in the world, giving their address in full and the department in which they are engaged. There will be three different orders of



arrangement of the names, viz., Alphabetically, Systematically and Geographically. In the Appendix, notices of specimens for sale, or exchange; wants; addresses of Taxidermists, Dealers in specimens and naturalists' apparatus &c.; also, the addresses of Natural History Artists, and such other matters as will make the work one of general reference by Naturalists, will be given. Part First of the Directory, consisting of thirty-six pages, was issued with the fifth number of volume fourth of the Proceedings and contained the addresses of the Naturalists in North America and the West Indies, under an alphabetical arrangement. The Second part was commenced in the sixth number and will be completed during the next year. This part will contain the addresses of the North American and West Indian Naturalists, arranged under the various departments of study.

The following table of the contents of the several volumes published by the Institute will best exhibit their character.

#### HISTORICAL COLLECTIONS.

VOL. I, PUBLISHED IN 1859; VOL. II, 1860; VOL. III, 1861; VOL. IV, 1862; VOL. V, 1863; VOL. VI, 1864; VOL. VII, 1865.

J. F. ALLEN, First Voyage to Japan (vol. 2.)

C. C. BLAMAN, The Hopkins family in Rhode Island (vol. 2.) The Branch of Howard Street Church (vol. 3.)

ANNE BRADSTREET, Will of, with Notes (vol. 4.)

GEORGE W. BRIGGS, Memoir of D. A. White (vol. 6.)

BENJAMIN F. BROWNE, Materials for a Genealogy of the Ingersol Family (Vol. 1.) Memorials of Nathaniel Ward; Extracts from a Journal kept by Samuel Gardner in 1759 (vol. 2.) Extracts from Gibson Clough's Journal (vol. 3.) An account of Salem Common and the levelling of the same in 1802, with short Notices of the Subscribers (vol. 4.) Notice of Benjamin Gerrish and the old Gerrish House; Some Notes on Rantoul's Reminiscences (vol. 5.) President Monroe in Salem; Two "Old Bibles," with Notes; Memorial of the Washington Rangers; Confession and Declaration of Faith of Col. John Higginson (vol. 6.)

GEORGE F. CHEYER, Remarks on the Commerce of Salem from 1626 to 1740 (vol. 1.) The Prosecution of Philip English and his wife for witchcraft (vols. 2, 3.) The Prosecution of Ann Pudeater for witchcraft 1692 (vol. 4.)

H. J. CROSS, Estate of Ann Winsley; Hale Family; Newbury Records; Slavery in Essex County (vol. 7.)

GEORGE CURWEN, Extracts of Letters written by him to his wife while on the expedition against Louisburg (vol. 3.)

GEORGE R. CURWEN, Notice of the Curwen House and its Occupants (vol. 2.) Notice of Curwen, Russell, Andrew (vol. 4.) Materials for a Genealogy of the Ward family in Salem, or Notices of the descendants of Miles Ward (vol. 5.)

PERLEY DERRY, The Genealogy of the Derby Family (vol. 3.) Copy from Original Book of Grants, Salem, with Notes by B. F. Browne (vols. 4, 5, 6.)

CHARLES M. ENDICOTT, Narrative of the Piracy of the Ship Friendship of Salem; Minutes for a Genealogy of the Jacobs Family (vol. 1.) History of the Salem and Danvers Aqueduct; New England Genealogy; Notice of the Old Planter's House (vol. 2.)

JOSEPH B. FELT, Lecture on Piracy, particularly of William Kidd; Historical, Statistical and Biographical Notices of Rockport; Historical Notices of Ipswich and Hamilton (vol. 4.) Historical Sketch of the Forts on Salem Neck; Who was the First Governor of Massachusetts? (vol. 5.)

JOHN FISKE, Extracts from Records kept by him during his Ministry at Salem, &c. (vol. 1.)

SAMUEL P. FOWLER, Biographical Sketches of Rev. Joseph Green, Rev. Peter Clarke and Rev. B. Wadsworth, Ministers in Salem village, now Danvers (vol. 1.)



Records of the Overseers of the Poor of Danvers for the years 1767 and 1768, with notes (vol. 2.) Craft's Journal of the Siege of Boston, with notes (vol. 3.) Journal of Capt. Samuel Page, in the campaign of 1779, with notes (vols. 1, 3.)

ABNER C. GOODSELL, JR., A Biographical Notice of the Officers of Probate for Essex County (vols. 2, 3, 4.) Notice of Alonzo Lewis; Biographical Sketch of Thomas Maudslow of Salem, with a review of the history of the Early Annuitants of New England (vol. 3.) A brief review of the History of the Puritans and the Separatists from the Church of England; in which the difference between the Non-conformists of Massachusetts Bay and the Separatists of Plymouth Colony is discussed (vol. 4.) Essex County Court Records (vol. 7.)

ROBERT HALE, List of Deaths in Beverly, &c., Memoranda (vol. 5.) Memoranda; Objections to Mr. Champney's settlement (vol. 6.)

N. W. HAZEN, A Memorial discourse of William Symmes (vol. 4.)

WILLIAM LEAVITT, An Account of the Private armed vessels belonging to Salem, Mass: during the war of 1812 (vol. 2.) History of the Essex Lodge of Freemasons (vols. 3, 4.) Materials for the History of Ship Building in Salem (vol. 6.)

GEORGE B. LORING, Some Account of Houses and other Buildings in Salem, from a Manuscript of the late Col. B. Pickman (vol. 6.) Pavement of Essex street, Salem; Slavery in Essex County (vol. 7.)

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IRA J. PATCH, Abstracts from Wills, Inventories &c. on file in the Office of the Clerk of the Courts, Salem (vols. 1, 2, 3, 4, 5.) Extracts from the First Book of Births, Marriages and Deaths of the city of Salem (vols. 1, 2, 3, 4.) Record of Marriages, Births and Deaths in the town of Lynn, vol. 2. (vols. 3, 6, 7.)

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GEORGE D. PHIPPS, The Old Planters of Salem (vols. 1, 4.)

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MATTHEW A. STICKNEY, Notes on American Currency (vols. 1, 2, 3, 5.) Copies of unpublished Letters and Documents (vol. 2.) Account of the Massacre at Fort William Henry in 1757 (vol. 3.) Copy of the First Book of Births &c., of the Town of Rowley, with notes (vols. 4, 5.) Copy of the First Book of Births and Deaths of the Town of Rowley (vol. 5.) A copy of the First Book of Marriages of the Town of Rowley (vol. 6.)

GILBERT L. STREETER, Historical notice of Salem Scenery (vol. 2.)

LINCOLN L. STONE, An Account of the Trial of George Jacobs for Witchcraft (vol. 2.)

CHARLES W. UPHAM, Memoir of George Atkinson Ward (vol. 7.)

WILLIAM P. UPHAM, Memoir of Gen. John Glover of Marblehead (vol. 5.) Craft's Journal of the Siege of Louisburg (vol. 6.)

JONES VERY, A Genealogical Ramble (vol. 1.) The Very Family (vols. 1, 2.)

GEORGE A. WARD, Extracts from interleaved Almanacs of James Jeffry late of Salem (vol. 2.) An Account of the Essex Historical Society (vol. 6.)

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WHIPPLE, Extracts from some Old Account Books kept by Mr. Whipple of Hamilton (vol. 4.)

GEORGE D. WILDES, Memoir of Capt. Wm. Nichols of Newburyport (vol. 6.)

T. B. WYMAN, Marriages of Salem and Charlestown people (vol. 7.)

REPORT OF THE COMMITTEE on the Authenticity of the Tradition of the First Church in Salem, built in 1634 (vol. 2.) Final Report of this Committee (vol. 7.)





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1. The first part of the paper is devoted to a general discussion of the problem of the existence of solutions of the system of equations

$$\begin{cases} \Delta u = f(x, y, z, u, v, w) \\ \Delta v = g(x, y, z, u, v, w) \\ \Delta w = h(x, y, z, u, v, w) \end{cases}$$

in the domain  $D$  bounded by the surface  $S$ .

2. In the second part we consider the case when the functions  $f, g, h$  are linear in the unknown functions  $u, v, w$ .

3. In the third part we consider the case when the functions  $f, g, h$  are quadratic in the unknown functions  $u, v, w$ .

4. In the fourth part we consider the case when the functions  $f, g, h$  are cubic in the unknown functions  $u, v, w$ .

5. In the fifth part we consider the case when the functions  $f, g, h$  are of higher order in the unknown functions  $u, v, w$ .

6. In the sixth part we consider the case when the functions  $f, g, h$  are of arbitrary order in the unknown functions  $u, v, w$ .

7. In the seventh part we consider the case when the functions  $f, g, h$  are of arbitrary order in the unknown functions  $u, v, w$ .

8. In the eighth part we consider the case when the functions  $f, g, h$  are of arbitrary order in the unknown functions  $u, v, w$ .

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11. In the eleventh part we consider the case when the functions  $f, g, h$  are of arbitrary order in the unknown functions  $u, v, w$ .

12. In the twelfth part we consider the case when the functions  $f, g, h$  are of arbitrary order in the unknown functions  $u, v, w$ .

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14. In the fourteenth part we consider the case when the functions  $f, g, h$  are of arbitrary order in the unknown functions  $u, v, w$ .

15. In the fifteenth part we consider the case when the functions  $f, g, h$  are of arbitrary order in the unknown functions  $u, v, w$ .

16. In the sixteenth part we consider the case when the functions  $f, g, h$  are of arbitrary order in the unknown functions  $u, v, w$ .

17. In the seventeenth part we consider the case when the functions  $f, g, h$  are of arbitrary order in the unknown functions  $u, v, w$ .



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Notes on the Habits and Distribution of the Duck Hawk, or American Peregrine Falcon, in the Breeding Season, and Descriptions of the Eggs. p. 153.
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Synopsis of the Polypi of the North Pacific Exploring Expedition, under Captains Ringgold and Rodgers, U. S. N. *Alcyonaria.* Part II. *With two plates.* p. 161.

## NATURALISTS' DIRECTORY.

Part I. North America and the West Indies. (*Alphabetical Arrangement.*) Issued in No. V.

Part II. North America and the West Indies. (*Systematic Arrangement.*) Commenced in No. VI, will be completed in volume five.

In 1854 Miss Caroline Plummer bequeathed to the Salem Athenæum \$30,000, to be expended in the erection of a suitable building to contain the Library of that Institution; granting liberty, also, to have the rooms occupied for meetings of literary and scientific societies, and for the deposit of works of art and natural productions. She moreover provides, that in case the Library of the Athenæum should ever become a public library her bequest should not be forfeited; evidently designing that the building erected from the proceeds of her legacy should be the seat of letters and science in this place.

Upon the completion of the building in 1857, the following proposals were agreed upon by both Societies at meetings held in April of that year:—

The Proprietors of the Salem Athenæum agree—

1st. To allow the Essex Institute to use the rooms on the *lower floor* of PLUMMER HALL, for any purpose consistent with the terms of Miss Plummer's will.

# THE HISTORY OF THE

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2d. To allow the Essex Institute, after the Athenæum has been accommodated, sufficient space for their library on the *second floor*, together with such privileges in all the rooms on the same floor, as may be necessary for the care, delivery and consulting of their books.

3d. To allow members of the Essex Institute, who have paid all their dues to that body, to consult the books of the Athenæum Library.

*Provided*; That the Essex Institute, at a legal meeting called for the special purpose of considering this subject, shall agree:—

1st. To pay to the Athenæum, annually, the sum of three hundred dollars.

2d. To allow the Proprietors to consult the books of the Institute Library.

3d. To pay one half the expense of warming the building and keeping its approaches unobstructed.

4th. That two years notice by either party may terminate this agreement.

The committee, of which Hon. R. S. Rogers was chairman, appointed to superintend the construction of the necessary cabinets &c., for the deposit of the Library and collections in Plummer Hall, faithfully attended to the duties assigned and obtained the requisite funds without recourse to the ordinary income of the Society, viz.:

By subscription in 1857 from 74 individuals,	.	\$257 50
By net proceeds from Ladies' Fair, September 1860,	.	2013 62
Sundries,	.	12 00
		<hr/> 4643 12

The debits to this account are as follows:

Cabinets, removal &c.,	.	3632 12
Interest on loans,	.	77 25
To the Publication account,	.	303 75
Deposited in Salem Savings Bank,	.	630 00
		<hr/> 4643 12

The sincere thanks of the Institute are due to those generous individuals who contributed the first named sum, and also to the Ladies by whose untiring exertions, the second sum was placed at its disposal.

Arrangements were thus made for what were then considered ample accommodations for the library and collections of the Institute. Since that time numerous additions have been, and are being made, to the library and to the museum, so that it has now become necessary to devise some plan to enable the Institute to meet the continually increasing demands upon its resources and to enable it to carry out the objects of its organization in a suitable and proper manner.

May not the Institute hope that its friends and the patrons of science and literature, will soon give that aid which is so essential to a complete development of all its plans and a continuation of its usefulness.



## CONSTITUTION AND BY-LAWS

OF THE

## ESSEX INSTITUTE.

—o—

## CONSTITUTION.

## ARTICLE I.

## OBJECTS.

The objects of the ESSEX INSTITUTE are the collection and preservation of materials for the Civil and Natural History of the County of Essex, the promotion of the Science of Natural History and the advancement of Horticulture.

## ARTICLE II.

## OFFICERS.

The officers of the Institute shall consist of a President, a Vice President of each department, a Secretary, a Treasurer, a Librarian, a Superintendent of the Museum, and Curators; who, together, shall constitute a Board of Directors.

## ARTICLE III.

## MEMBERS.

Any person residing in the County of Essex may be chosen a Resident Member.

Any person not residing in the County of Essex may be chosen a Corresponding member.

Any Resident Member who shall remove from the County may become a Corresponding Member by giving notice of his removal and paying all arrears.

Resident Members only shall be entitled to vote or be eligible to any office.

## ARTICLE IV.

## ELECTIONS.

Officers and members shall be chosen by ballot. Officers shall be elected at the Annual Meeting, except those chosen to fill vacancies who shall be elected at a Stated Meeting.

Resident Members shall be nominated in writing at the meeting preceding their election.

Corresponding Members having been nominated by the Directors may be chosen at any meeting.

## ARTICLE V.

## MEETINGS.

Meetings shall be held every year at the rooms of the Institute on the second Wednesday in the months of February, May, August and November, at three o'clock in the afternoon.

The Meeting in May shall be the regular Annual Meeting of the Institute.

Other Meetings may be called as provided in the By-Laws.

## ARTICLE VI.

## QUORUM.

Five Members shall be a Quorum for holding any meeting of the the Institute, or of the Board of Directors.

THE UNIVERSITY OF CHICAGO

THE CHICAGO SCHOOL OF THEOLOGY

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## ARTICLE VII.

## ASSESSMENTS.

The yearly Assessment of each Resident Member shall be Two Dollars, payable at the annual meeting.

## ARTICLE VIII.

## ALTERATIONS OF THE CONSTITUTION AND BY-LAWS.

The By-Laws shall not be repealed or amended except by the votes of two-thirds of the Resident Members present at a Stated Meeting.

The Constitution shall not be amended unless by the votes of three-quarters of the Resident Members present at a Stated Meeting, and after special notice of the proposed amendments shall have been given at two previous Stated Meetings.

## BY-LAWS.

## CHAPTER I.

## OF MEMBERS.

No Member who shall be in arrears for one year shall be entitled to vote or hold any office; and any member so in arrears, who shall refuse or neglect to pay his dues for six months after being notified thereof by the Treasurer, shall cease to be a member of the Institute. Provided, however, that any member may, in lieu of the annual assessment, pay the sum of *thirty dollars* to be added to the funds of the Institute, the annual interest thereof to be considered as the payment of the annual assessment of said member.

## CHAPTER II. OF OFFICERS AND COMMITTEES.

The PRESIDENT shall be the presiding officer of the Institute and of the Board of Directors.

The VICE PRESIDENTS shall perform the duties of the President in his absence. They shall also be chairmen of their respective departments.

The SECRETARY shall give notice of all meetings and record their proceedings; notify all members and officers of their election; have charge of all papers and documents; conduct the general correspondence, and report the doings of the Institute during the year, at the annual meeting. He shall also be, *ex-officio*, a member of all Standing Committees.

The TREASURER shall have charge of the fiscal concerns of the Institute; keep an exact account of all receipts and expenditures, and report the same at the annual meeting.

The LIBRARIAN shall receive and shall have in custody all books and other printed works, maps, charts and diagrams of the Institute, attend to their arrangement, cataloguing and preservation; conduct the correspondence relating to the Library; acknowledge all donations thereto, and report on its condition at the annual meeting.

The SUPERINTENDENT shall have the general charge of all specimens belonging to the Museum, their arrangement and preservation; acknowledge all donations to the Museum; conduct the correspondence relating to it; make such use of the duplicates as may be beneficial to science, and report annually on its condition.



THE UNIVERSITY OF CHICAGO  
DIVISION OF THE PHYSICAL SCIENCES  
DEPARTMENT OF CHEMISTRY

REPORT OF THE  
COMMISSIONERS OF THE  
UNIVERSITY OF CHICAGO  
FOR THE YEAR 1900  
PUBLISHED BY THE UNIVERSITY OF CHICAGO PRESS  
CHICAGO, ILL., 1901

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CHICAGO, ILL., 1901

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CHICAGO, ILL., 1901

The CURATORS shall have the special charge of the arrangement, cataloguing and labeling of specimens belonging to their respective sections. Each Curator shall report on the condition and wants of his section at the annual meeting.

The BOARD OF DIRECTORS shall have full power to act for the interest of the Institute in any way not inconsistent with the Constitution and By-Laws.

The following Committees shall be chosen at the Annual Meeting.

A FINANCE COMMITTEE, who shall have the direction of the funds of the Institute and annually examine and audit the accounts of the Treasurer.

A LIBRARY COMMITTEE, who shall, with the Librarian, have the general superintendence of the Library and shall make an annual examination of its condition in May.

A COMMITTEE ON PUBLICATIONS, who shall have the management of all Publications of the Institute and regulate the manner of their distribution.

A LECTURE COMMITTEE, who shall arrange for such courses of Lectures as may be deemed advisable.

A COMMITTEE ON FIELD MEETINGS, who shall determine when and where Field Meetings shall be held, and have the general management of the same.

The above Committees shall report their respective doings at the Annual Meetings.

### CHAPTER III.

### OF DEPARTMENTS.

The HISTORICAL DEPARTMENT shall be divided into three sections: 1, Ethnology; 2, Manuscripts; 3, Fine Arts.

The DEPARTMENT OF NATURAL HISTORY into nine sections: 1, Geology; 2, Mineralogy; 3, Paleontology; 4, Botany; 5, Comparative Anatomy; 6, Vertebrata; 7, Articulata; 8, Mollusca; 9, Radiata.

The DEPARTMENT OF HORTICULTURE into two sections: 1, Fruit and Vegetables; 2, Flowers.

The Vice President and Curators of each of these Departments, with the Superintendent, shall be a committee for its management.

### CHAPTER IV.

### OF THE MUSEUM.

The Museum shall be open to Members and the public at such times and under such regulations as the Directors may determine.

No specimen shall be taken from the rooms except by permission of the Committee of the department to which it belongs, upon a written application made to the Secretary, or Superintendent; specimens may, however, be sent by the Superintendent to acknowledged competent persons for identification.

Every facility in the power of the Superintendent, and consistent with the welfare of the specimens, shall be given to persons visiting the Museum for the purpose of study and comparison.

### CHAPTER V.

### OF THE LIBRARY.

The Library Committee shall divide the books and other articles belonging to the Library into three classes, viz.: (a) those which are not to be removed from the building; (b) those which may be

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taken from the halls only by written permission of three members of the committee, who shall take a receipt for the same and be responsible for their safe return; (c) those which may circulate under the following rules.

Members shall be entitled to take from the Library one folio, or two quarto volumes, or four volumes of any lesser fold, with the plates belonging to the same, upon having them recorded by the Librarian, or Assistant Librarian, and promising to make good any damage they sustain while in their possession, and to replace the same if lost, or pay the sum fixed by the Library Committee.

No person shall lend any book belonging to the Institute, excepting to a member, under a penalty of one dollar for every such offence.

The Library Committee may allow members to take more than the allotted number of books upon a written application, and may also permit other persons than members to use the Library, under such conditions as they may impose.

No person shall detain any book longer than four weeks from the time of its being taken from the Library, if notified that the same is wanted by another member, under a penalty of five cents per day, and no volume shall be retained longer than three months at one time under the same penalty.

The Librarian shall have power, by order of the Library Committee, to call in any volume after it has been retained by a member for ten days.

On or before the first Wednesday in May, all books shall be returned to the Library, and a penalty of five cents per day shall be imposed for each volume detained.

Labels designating the class to which each book belongs shall be placed upon its cover.

No book shall be allowed to circulate until one month after its reception.

## CHAPTER VI.

## OF VISITORS.

Visitors may be introduced by any Member, and a book shall be kept in some conspicuous place in the rooms of the Institute for receiving their signatures.

## CHAPTER VII.

## OF MEETINGS.

The field Meetings are under the direction of the Committee appointed for that purpose.

Regular Meetings may be held on the first and third Mondays of each month at such time and place as may be agreed upon.

Special Meetings may be called by the President, or, in his absence, by one of the Vice Presidents.



## ORDER OF PROCEEDINGS AT MEETINGS.

## ANNUAL MEETINGS.

1. Records of last Annual, Stated and Regular Meetings read.
2. Reports of Secretary, Treasurer, Librarian, Superintendent, Curators and Committees.
3. Obituary notices.
4. Election of Officers and Committees for the ensuing year.
5. Business.
6. Correspondence.
7. Communications.
8. Nominations and balloting for Members.
9. Adjournment.

## OTHER STATED MEETINGS.

1. Record of the last Stated Meeting read.
2. Election of Officers to fill vacancies.
3. Business.
4. Communications.
5. Nominations and balloting for Members.
6. Adjournment.

## SPECIAL MEETINGS.

1. Record of last Meeting read.
2. Special business of the meeting.
3. Adjournment.

## REGULAR MEETINGS.

1. Record of preceding Meeting read.
2. Correspondence.
3. Written Communications.
4. Verbal Communications.
5. Donations to the Library.
6. Donations to the Museum.
7. Special business.
8. General business.
9. Nominations for Membership.
10. Balloting for Members.
11. Adjournment.

Meetings of the Directors may be held immediately after the adjournment of any Regular or Stated Meeting of the Institute upon notice from the Chair.

THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

BY

JOHN BURNET

OF

THE UNIVERSITY OF OXFORD

IN TWO VOLUMES

THE SECOND

VOLUME

OF

THE HISTORY

OF

THE

REIGN

OF

CHARLES

THE

FIRST

BY

JOHN BURNET



OFFICERS  
OF THE  
ESSEX HISTORICAL SOCIETY,

FROM ITS ORGANIZATION IN 1821, TO THE UNION IN 1848.

P R E S I D E N T S .

Edward A. Holyoke,	1821—29	Ichabod Tucker,	1835—37
Benjamin Pickman,	1829—35	Daniel A. White,	1837—48

V I C E - P R E S I D E N T S .

Joseph Story,	1821—29	Leverett Saltonstall,	1841—45
Ichabod Tucker,	1829—35	Benjamin Merrill,	1846—47
George Cleveland,	1835—40	John Glen King,	1847—48

R E C O R D I N G   S E C R E T A R I E S .

George A. Ward,	1821—22	William Proctor,	1824—27
John W. Treadwell,	1822—24	Joseph G. Waters,	1827—48

C O R R E S P O N D I N G   S E C R E T A R I E S .

Benj. R. Nichols,	1821—24	Henry Wheatland,	1847—48
John Glen King,	1824—47		

C A B I N E T   K E E P E R S   A N D   L I B R A R I A N S .

Charles C. Clarke,	1821—25	Charles A. Andrew,	1834—42
Francis Peabody,	1825—27	Henry Wheatland,	1842—47
Pickering Dodge,	1827—30	George Dean Phippen,	1847—48
Charles G. Putnam,	1830—34		

T R E A S U R E R S .

Stephen White,	1821—31	Frederic Howes,	1831—48
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T R U S T E E S .

Ichabod Tucker,	1821—29	Abel L. Peirson,	1835—48
John Pickering,	1821—27	Nathaniel Silsbee,	1838—43
Nathaniel Bowditch,	1821—23	Charles W. Upham,	1838—43
Leverett Saltonstall,	1821—41	Ichabod Tucker, (re-cl.)	1841—43
Nathaniel Silsbee,	1821—35	Andrew Nichols,	1841—48
Thomas Carlile,	1821—22	Benjamin Merrill,	1841—45
William Gibbs,	1821—33	Joseph G. Waters,	1843—48
John Glen King,	1822—24	Francis Peabody,	1843—45
Daniel A. White,	1823—41	Jonathan C. Perkins,	1843—48
Frederic Howes,	1824—48	Caleb Pierce,	1843—48
George Cleveland,	1827—35	Stephen P. Webb,	1843—48
Charles C. Clarke,	1829—37	Caleb Foote,	1845—48
John Brazier,	1833—43	Matthew A. Stickney,	1846—48
John G. King, (re-cl.)	1835—48		

## AMERICAN MEDICAL ASSOCIATION

PUBLISHED WEEKLY, EXCEPT ON SUNDAYS AND HOLIDAYS

CHICAGO, ILL.

1914, VOL. 1, NO. 1

DATE	CONTENTS	PRICE	ADVERTISING
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OFFICERS  
OF THE  
ESSEX CO. NATURAL HISTORY SOCIETY,  
FROM ITS ORGANIZATION IN 1833, TO THE UNION IN 1848.

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P R E S I D E N T S .

A. Nichols, (Danvers) 1833—45    John Lewis Russell,    1845—48

V I C E - P R E S I D E N T S .

Wm. Oakes, (Ipswich) 1833—40    Wm. Prescott, (Lynn) 1845—46  
G. B. Perry, (Bradford) 1833—45    William Mack,    1846—48  
John Clarke Lee,    1840—48

S E C R E T A R I E S   A N D   T R E A S U R E R S .

John M. Ives,    1833—35    Henry Wheatland.    1835—48

C A B I N E T   K E E P E R S   A N D   L I B R A R I A N S .

John Lewis Russell,    1833—35    George Dean Phippen,    1846—48  
Wm. P. Richardson,    1835—46

C U R A T O R S .

Wm. Oakes, (Ipswich) 1833—35    George Dean Phippen,    1840—42  
John Clarke Lee,    1833—40    Joseph Farnum, Jr.,    1840—42  
Charles Grafton Page,    1833—37    William Mack,    1842—46  
Thomas Spencer,    1833—35    James Upton,    1844—48  
John M. Ives,    1835—39    Benjamin H. Silsbee,    1845—48  
William Prescott,    1835—45    Joseph Banvard,    1845—46  
Pickering Dodge,    1837—40    S. P. Fowler, (Danvers) 1846—48  
John Lewis Russell,    1839—45    Francis Putnam,    1846—48



OFFICERS  
OF THE  
**ESSEX INSTITUTE,**  
SINCE ITS ORGANIZATION IN 1843.

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P R E S I D E N T S .

Daniel A. White,	1848—61	Francis Peabody,	1865
Asahel Huntington,	1861—65		

V I C E - P R E S I D E N T S .

John Glen King,	1848—57	James Upton,	1860—64
John Lewis Russell,	1848—61	Samuel P. Fowler,	1861
John Clarke Lee,	1848—60	Abner C. Goodell, Jr.,	1862
Henry Mason Brooks,	1858—62	John Fiske Allen,	1864

SECRETARY AND TREASURER.

Henry Wheatland,	1843
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CABINET KEEPERS.

Frederic Howes, Jr.,	1848—49	Caleb Cooke,	1857—60
George A. Perkins,	1850—56	Richard H. Wheatland,	1860—64
Frederic W. Putnam,	1856—57		

SUPERINTENDENT OF MUSEUM.

Frederic W. Putnam,	1864
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LIBRARIANS.

George Dean Phippen,	1848—49	John Hubbard Stone,	1856—63
Henry Mason Brooks,	1849—50	Nathaniel J. Holden,	1863—65
Matthew A. Stickney,	1850—56	Charles Davis,	1865

FINANCE COMMITTEE.

John Clarke Lee,	1848	George Dean Phippen,	1858
Ephraim Emmerton,	1848—60	Robert Manning,	1858—59
Frederic Howes,	1848—54	Henry Mason Brooks,	1859
Joseph S. Cabot,	1854—57	James Chamberlain,	1860
Richard S. Rogers,	1857		

LIBRARY COMMITTEE.

Daniel A. White,	1856—61	Nathaniel J. Holden,	1862—63
George B. Loring,	1856—57	Henry J. Cross,	1863
Samuel P. Fowler,	1856—61	George A. Ward,	1864—65
David Roberts,	1857—61	George D. Wildes,	1864
Joseph G. Waters,	1861	William Sutton,	1865
Alpheus Crosby,	1861		

PUBLICATION COMMITTEE.

John Lewis Russell,	1856—61	Abner C. Goodell, Jr.,	1861
Henry Wheatland,	1856—64	Cyrus M. Tracy,	1863
George Dean Phippen,	1856	William P. Upham,	1863
Ira J. Patch,	1859	Robert S. Rantoul,	1864
John Hubbard Stone,	1859—63	Frederic W. Putnam,	1864
George M. Whipple,	1859—63		





## LECTURE COMMITTEE.

John Lewis Russell,	1859—61	Charles H. Norris,	1861—63
James Kimball,	1859	Frederic W. Putnam,	1861
Francis Peabody,	1859—61	William J. Rolfe,	1862—63
George Dean Phippen,	1859—62	Henry Mason Brooks,	1862—63
Benjamin F. Mudge,	1859—60	Edmund B. Willson,	1862—64
Cyrus M. Tracy,	1860—61	Francis Peabody, (re-cl.)	1863
Abner C. Goodell, Jr.,	1861	George Dean Phippen,	1863
Charles C. Beaman,	1861—63	George Perkins,	1863
Jacob Batchelder,	1861—62	George W. Briggs,	1864

## FIELD MEETING COMMITTEE.

Benjamin F. Mudge,	1859—60	Charles H. Norris,	1860—65
Samuel P. Fowler,	1859	Charles C. Beaman,	1862—65
John M. Ives,	1859	Stillman Barden,	1863—65
Benjamin C. Putnam,	1859—62	George D. Wildes,	1864
Richard H. Wheatland,	1859—63	Eben N. Walton,	1864
Allen W. Dodge,	1859—65	George B. Loring,	1865
Cyrus M. Tracy,	1860	Charles Davis,	1865

## CURATORS OF THE NATURAL HISTORY DEPARTMENT.

William Mack,	1848—56	Caleb Cooke,	1856
Henry F. King,	1848	George A. Perkins,	1856—61
Samuel P. Fowler,	1848—56	Benjamin F. Mudge,	1856—60
John Lewis Russell,	1856—61	Henry F. Shepard,	1856
Frederic Winsor,	1856—62	Pickering D. Allen,	1857—59
Frederic W. Putnam,	1856	David M. Balch,	1860—63
Charles R. Waters,	1856—59	Cyrus M. Tracy,	1861
Charles J. Lee,	1856—57	Thomas M. Pond,	1863—64
Richard H. Wheatland,	1856—63	James H. Emerton,	1863
Henry Wheatland,	1856	Charles H. Higbee,	1863

## CURATORS OF THE HISTORICAL DEPARTMENT.

Frederic Howes,	1848—54	Samuel B. Buttrick,	1857
Joseph G. Waters,	1848	Alfred Stone,	1857—60
Matthew A. Stickney,	1848—50	Ira J. Patch,	1859—64
Francis Peabody,	1850	John Robinson,	1863
Henry Mason Brooks,	1854	Charles F. Nichols,	1863—64
John Glen King,	1856—58	William P. Upham,	1863
William S. Messervy,	1856	James A. Gillis,	1864
M. A. Stickney, (re-cl.)	1856	George D. Wildes,	1864
Francis Henry Lee,	1856—63	George A. Ward,	1864—65
Lincoln Ripley Stone,	1856—63	E. Stanley Waters,	1865
Gilbert L. Streeter,	1857		

## CURATORS OF THE HORTICULTURAL DEPARTMENT.

Benjamin H. Silsbee,	1848—51	Benjamin A. West,	1857
James Upton,	1848—64	Joseph S. Cabot,	1857
Francis Putnam,	1848	John Bertram,	1857
Robert Manning,	1851—59	John M. Ives,	1859
John F. Allen,	1856—64	Charles H. Norris,	1860
Charles F. Putnam,	1856—63	George D. Glover,	1861
John C. Lee,	1856—60	Samuel A. Merrill,	1863
William Mack,	1856	William Maloon,	1864
John Lewis Russell,	1856—61	Andrew Lackey,	1864
George B. Loring,	1857	George F. Brown,	1864
Richard S. Rogers,	1857	Charles H. Higbee,	1865

Date	Description	Debit	Credit	Balance
1890 Jan 1	Balance forward			100.00
1890 Jan 5	Wages	5.00		95.00
1890 Jan 10	Food	3.00		92.00
1890 Jan 15	Medical	2.00		90.00
1890 Jan 20	Transport	1.00		89.00
1890 Jan 25	Utilities	1.50		87.50
1890 Jan 30	Insurance	1.00		86.50
1890 Feb 5	Wages	5.00		81.50
1890 Feb 10	Food	3.00		78.50
1890 Feb 15	Medical	2.00		76.50
1890 Feb 20	Transport	1.00		75.50
1890 Feb 25	Utilities	1.50		74.00
1890 Feb 30	Insurance	1.00		73.00
1890 Mar 5	Wages	5.00		68.00
1890 Mar 10	Food	3.00		65.00
1890 Mar 15	Medical	2.00		63.00
1890 Mar 20	Transport	1.00		62.00
1890 Mar 25	Utilities	1.50		60.50
1890 Mar 30	Insurance	1.00		59.50
1890 Apr 5	Wages	5.00		54.50
1890 Apr 10	Food	3.00		51.50
1890 Apr 15	Medical	2.00		49.50
1890 Apr 20	Transport	1.00		48.50
1890 Apr 25	Utilities	1.50		47.00
1890 Apr 30	Insurance	1.00		46.00
1890 May 5	Wages	5.00		41.00
1890 May 10	Food	3.00		38.00
1890 May 15	Medical	2.00		36.00
1890 May 20	Transport	1.00		35.00
1890 May 25	Utilities	1.50		33.50
1890 May 30	Insurance	1.00		32.50
1890 Jun 5	Wages	5.00		27.50
1890 Jun 10	Food	3.00		24.50
1890 Jun 15	Medical	2.00		22.50
1890 Jun 20	Transport	1.00		21.50
1890 Jun 25	Utilities	1.50		20.00
1890 Jun 30	Insurance	1.00		19.00
1890 Jul 5	Wages	5.00		14.00
1890 Jul 10	Food	3.00		11.00
1890 Jul 15	Medical	2.00		9.00
1890 Jul 20	Transport	1.00		8.00
1890 Jul 25	Utilities	1.50		6.50
1890 Jul 30	Insurance	1.00		5.50
1890 Aug 5	Wages	5.00		0.50
1890 Aug 10	Food	3.00		(3.00)
1890 Aug 15	Medical	2.00		(5.00)
1890 Aug 20	Transport	1.00		(6.00)
1890 Aug 25	Utilities	1.50		(7.50)
1890 Aug 30	Insurance	1.00		(8.50)
1890 Sep 5	Wages	5.00		(13.50)
1890 Sep 10	Food	3.00		(16.50)
1890 Sep 15	Medical	2.00		(18.50)
1890 Sep 20	Transport	1.00		(19.50)
1890 Sep 25	Utilities	1.50		(21.00)
1890 Sep 30	Insurance	1.00		(22.00)
1890 Oct 5	Wages	5.00		(27.00)
1890 Oct 10	Food	3.00		(30.00)
1890 Oct 15	Medical	2.00		(32.00)
1890 Oct 20	Transport	1.00		(33.00)
1890 Oct 25	Utilities	1.50		(34.50)
1890 Oct 30	Insurance	1.00		(35.50)
1890 Nov 5	Wages	5.00		(40.50)
1890 Nov 10	Food	3.00		(43.50)
1890 Nov 15	Medical	2.00		(45.50)
1890 Nov 20	Transport	1.00		(46.50)
1890 Nov 25	Utilities	1.50		(48.00)
1890 Nov 30	Insurance	1.00		(49.00)
1890 Dec 5	Wages	5.00		(54.00)
1890 Dec 10	Food	3.00		(57.00)
1890 Dec 15	Medical	2.00		(59.00)
1890 Dec 20	Transport	1.00		(60.00)
1890 Dec 25	Utilities	1.50		(61.50)
1890 Dec 30	Insurance	1.00		(62.50)
1891 Jan 5	Wages	5.00		(67.50)
1891 Jan 10	Food	3.00		(70.50)
1891 Jan 15	Medical	2.00		(72.50)
1891 Jan 20	Transport	1.00		(73.50)
1891 Jan 25	Utilities	1.50		(75.00)
1891 Jan 30	Insurance	1.00		(76.00)
1891 Feb 5	Wages	5.00		(81.00)
1891 Feb 10	Food	3.00		(84.00)
1891 Feb 15	Medical	2.00		(86.00)
1891 Feb 20	Transport	1.00		(87.00)
1891 Feb 25	Utilities	1.50		(88.50)
1891 Feb 30	Insurance	1.00		(89.50)
1891 Mar 5	Wages	5.00		(94.50)
1891 Mar 10	Food	3.00		(97.50)
1891 Mar 15	Medical	2.00		(99.50)
1891 Mar 20	Transport	1.00		(100.50)
1891 Mar 25	Utilities	1.50		(102.00)
1891 Mar 30	Insurance	1.00		(103.00)
1891 Apr 5	Wages	5.00		(108.00)
1891 Apr 10	Food	3.00		(111.00)
1891 Apr 15	Medical	2.00		(113.00)
1891 Apr 20	Transport	1.00		(114.00)
1891 Apr 25	Utilities	1.50		(115.50)
1891 Apr 30	Insurance	1.00		(116.50)
1891 May 5	Wages	5.00		(121.50)
1891 May 10	Food	3.00		(124.50)
1891 May 15	Medical	2.00		(126.50)
1891 May 20	Transport	1.00		(127.50)
1891 May 25	Utilities	1.50		(129.00)
1891 May 30	Insurance	1.00		(130.00)
1891 Jun 5	Wages	5.00		(135.00)
1891 Jun 10	Food	3.00		(138.00)
1891 Jun 15	Medical	2.00		(140.00)
1891 Jun 20	Transport	1.00		(141.00)
1891 Jun 25	Utilities	1.50		(142.50)
1891 Jun 30	Insurance	1.00		(143.50)
1891 Jul 5	Wages	5.00		(148.50)
1891 Jul 10	Food	3.00		(151.50)
1891 Jul 15	Medical	2.00		(153.50)
1891 Jul 20	Transport	1.00		(154.50)
1891 Jul 25	Utilities	1.50		(156.00)
1891 Jul 30	Insurance	1.00		(157.00)
1891 Aug 5	Wages	5.00		(162.00)
1891 Aug 10	Food	3.00		(165.00)
1891 Aug 15	Medical	2.00		(167.00)
1891 Aug 20	Transport	1.00		(168.00)
1891 Aug 25	Utilities	1.50		(169.50)
1891 Aug 30	Insurance	1.00		(170.50)
1891 Sep 5	Wages	5.00		(175.50)
1891 Sep 10	Food	3.00		(178.50)
1891 Sep 15	Medical	2.00		(180.50)
1891 Sep 20	Transport	1.00		(181.50)
1891 Sep 25	Utilities	1.50		(183.00)
1891 Sep 30	Insurance	1.00		(184.00)
1891 Oct 5	Wages	5.00		(189.00)
1891 Oct 10	Food	3.00		(192.00)
1891 Oct 15	Medical	2.00		(194.00)
1891 Oct 20	Transport	1.00		(195.00)
1891 Oct 25	Utilities	1.50		(196.50)
1891 Oct 30	Insurance	1.00		(197.50)
1891 Nov 5	Wages	5.00		(202.50)
1891 Nov 10	Food	3.00		(205.50)
1891 Nov 15	Medical	2.00		(207.50)
1891 Nov 20	Transport	1.00		(208.50)
1891 Nov 25	Utilities	1.50		(210.00)
1891 Nov 30	Insurance	1.00		(211.00)
1891 Dec 5	Wages	5.00		(216.00)
1891 Dec 10	Food	3.00		(219.00)
1891 Dec 15	Medical	2.00		(221.00)
1891 Dec 20	Transport	1.00		(222.00)
1891 Dec 25	Utilities	1.50		(223.50)
1891 Dec 30	Insurance	1.00		(224.50)

RESIDENT MEMBERS  
OF THE  
ESSEX INSTITUTE.

---

Agge, William	<i>Salem.</i>	Bosson, Abraham F.	<i>Salem.</i>
Allanson, J. S.	<i>Marblehead.</i>	Bowditch, Wm. A.	"
Allen, George H.	<i>Salem.</i>	Bowdoin, David W.	"
Allen, John Fisk	"	Bowdoin, Wm. L.	"
*Allen, P. Dodge	" *1863	Bowker, Charles	"
Almon, Andrew B.	"	Bowker, George	"
Almy, James F.	"	Boynton, Susan P.	<i>Lynn.</i>
Amidon, Augustus R.	"	*Braman, Isaac	<i>Georgetown.</i> *1858
*Amory, Elizabeth	" *1859	Braman, Milton P.	<i>Danvers.</i>
*Andrews, George	" *1862	Briggs, George W.	<i>Salem.</i>
Andrews, John P.	"	Brookhouse, Robert	"
Andrews, Joseph	"	Brookhouse, R. Jr.	"
Andrews, Samuel P.	"	Brookhouse, R. 3d.	"
Ajpleton, Isaac	<i>Beverly.</i>	Brooks, Augustus T.	"
Archer, Augustus J.	<i>Salem.</i>	Brooks, D. Brainerd	"
Archer, John	"	Brooks, Henry M.	"
Archer, William	"	Brooks, Luke	"
Ashton, William B.	"	Brooks, Lyman B.	"
Attwill, Theodore	<i>Lynn.</i>	Brown, Edward	"
Atwood, Edward S.	<i>Salem.</i>	Brown, Ephraim	"
		Brown, Francis	"
Babbidge Charles	"	Brown, George F.	"
Babson, J.ohn J.	<i>Gloucester.</i>	Brown, Jacob F.	"
Bachelor, David G.	<i>Salem.</i>	Brown, Nathaniel	"
Baker, Charles	"	Brown, Nathaniel Jr.	"
Baker, Charles II.	"	*Brown, William	" *1863
Baker, John I.	<i>Beverly.</i>	*Brown, William B.	" *1864
Balch, David M.	<i>Salem.</i>	Browne, Benjamin F.	"
Bancroft, S. C. So.	<i>Danvers.</i>	Browne, J. Vincent	"
*Barden, Stillman	<i>Rockport.</i> *1865	Browning, John P.	"
Barlow, John	<i>Salem.</i>	Buswell, E. W.	<i>Malden.</i>
Barnes, Thomas II.	"	*†Burley, Susan	<i>Salem.</i> *1850
*Bartlett, John	<i>Marblehead.</i> *1849	Butman, Francis C.	"
Barton, Gardner	<i>Salem.</i>	Buttrick, Samuel B.	"
Barton, William C.	"		
Batchelder, Jacob	<i>Lynn.</i>	Cabot, Joseph S.	"
Batchelder, John H.	<i>Salem.</i>	Callar, James M.	"
Batchelder, Samuel L.	"	Carlen, Samuel	"
Bates, William M.	"	Carpenter, David P.	"
Battis, James H.	"	Cate, Shadrack M.	"
Beanan, Charles C.	"	Chamberlain, James	"
Bertram, John	"	Chamberlain, James A.	"
Bertram, Joseph H. M.	"	Chamberlain, J. W.	"
Bettis, John B.	"	Chandler, Gardner L.	"
Boardman, Francis	"	Chandler, Joseph	"

\*Deceased.

†Life Members.



Chapman, George R. <i>Salem.</i>	Downing, John H. <i>Salem.</i>
Chapman, John " "	*Downing, Thomas " *1859
Chase, George C. " "	Downing, Thomas W. " "
Chase, Stephen A. " "	Doyle, Mary " "
Chever, William J. " "	
Choate, David <i>Essex.</i>	*Eaton, Peter <i>Bosford.</i> *1848
Choate, David Jr. <i>Salem.</i>	*Edwards, Justin <i>Andover.</i> *1853
Choate, George " "	Emerson, Brown <i>Salem.</i>
Choate, William G. " "	Emerton, James " "
*Clark, John " *1851	Emerton, James H. " "
Clark, Priscilla " "	Emmerton, Ephraim " "
Cleaves, Joshua " "	Emmerton, William H. " "
Cleveland, William S. " "	*Endicott, Charles M. " *1863
Cloutman, Joseph " "	Endicott, Robert R. <i>Beverly.</i>
Cloutman, Joseph P. " "	Endicott, Sarah B. <i>Salem.</i>
Cloutman, William R. " "	Endicott, William C. " "
*Cogswell, Henry " *1865	Endicott, William P. " "
Colcord, H. M. <i>So. Danvers.</i>	Estes, James N. <i>So. Danvers.</i>
†Cole, Nancy D. <i>Salem.</i>	
*Cole, Thomas " *1852	Fabens, Benjamin <i>Salem.</i>
Conray, James H. " "	Fabens, Benjamin F. " "
Cook, James P. " "	Farless, James A. " "
*Cook, Nathan " *1853	Farley, Robert Jr. <i>Ipswich.</i>
Cooke, Caleb " "	Farmer, Moses G. <i>Salem.</i>
Cornelius, Alonzo G. " "	Farnum, Joseph " "
Cox, Benjamin " "	Farrington, George P. " "
Cox, Francis " "	Fellows, Israel " "
Creamer, George G. " "	Felt, Charles W. " "
Creeseey, Charles " "	Felt, John " "
Crosby, Alpheus " "	Felt, John G. " "
Cross, Henry J. " "	Felt, Joseph B. " "
Cross, Joseph S. " "	Felt, Samuel Q. " "
*Crowell, Robert <i>Essex.</i> *1855	*Fettyplace, Henry K. " *1862
Curwen, George R. <i>Salem.</i>	Fenollosa, Manuel " "
Curwen, Henry " "	Fisher, Thorpe " "
Curwen, James B. " "	Flint, G. F. <i>North Reading.</i>
Curwen, Samuel R. " "	Flint, Harrison O. <i>Salem.</i>
Cutts, Benjamin " "	*Flint, James " *1855
	Flint, Simeon " "
Daland, John <i>Hamilton.</i>	Fogg, Julian A. " "
Dane, Joseph F. <i>Salem.</i>	Foote, Caleb " "
Daniels, George P. " "	Foster, Joseph C. " "
Davis, Abner H. " "	Foster, William H. " "
Davis, Charles <i>Beverly.</i>	Foster, William J. " "
Davis, S. W. <i>Salem.</i>	Fowler, Charles B. " "
Day, Samuel " "	Fowler, George " "
Dean, Edward " "	Fowler, Samuel P. <i>Danvers.</i>
Derby, Perley " "	Frothingham, T. H. <i>Salem.</i>
Dike, John " "	Frye, D. Ormond " "
*Dimmick, L. F. <i>Newburyport</i> *1860	Frye, Nathan A. " "
Dixey, John <i>Salem.</i>	Fuller, George A. " "
Dodge, Allen W. <i>Hamilton.</i>	
*Dodge, George F. <i>Salem.</i> *1860	*Gardner, Barnard W. " *1860
Doggett, W. E. <i>Swampscott.</i>	Gardner, Henry " "





Gardner, Henry	<i>Salem.</i>	Huntington, Asahel	<i>Salem.</i>
Gardner, Henry R.	"	Hutchinson, Thomas J.	"
*Gardner, William F.	" *1851	Ide, Edwin R.	"
Gayle, E. F. W.	"	Ingersoll, Horace	"
Gersdorff, Brunow de	"	Ives, Henry P.	"
Gillis, James A.	"	Ives, John M.	"
Glazier, Charles H.	"	Ives, John S.	"
Glover, George D.	"	Ives, Stephen B.	"
Goldthwaite, Aaron, Jr.	"	Ives, Stephen B., Jr.	"
Goldthwaite, Joseph A.	"	Ives, William	"
Goldthwaite, Willard	"		
Goodell, Abner C., Jr.	"		
*†Goodhue, J.	<i>New York.</i> *1848	Jacobs, W. M.	<i>So. Danvers.</i>
Goss, Francis	<i>Salem.</i>	Jelly, William H.	<i>Salem.</i>
Graves, Wm.	<i>Newburyport.</i>	Jewett, George B.	"
		Jewett, John	"
Hadduck, Chas. B.	<i>Beverly.</i>	Jewett, Mary B.	<i>Rowley.</i>
Hagar, Daniel B.	<i>Salem.</i>	Jewett, Thomas S.	<i>Salem.</i>
Hale, Henry	"	Jillson, Samuel	<i>Feltonville.</i>
Hale, James F.	"	Jocelyn, Henry E.	<i>Salem.</i>
Hale, M. H.	"	Johnson, Emery S.	"
Hall, Harmon	<i>East Saugus.</i>	Johnson, Thomas H.	"
Hammond, Joseph	<i>Salem.</i>		
Hammond, J. Leonard	"	Kehew, William H.	"
Hanaford, Phebe A.	<i>Reading.</i>	Kemble, Arthur	"
Hanson, Elijah A.	<i>Salem.</i>	Kilburn, John	"
Hanson, Joseph H.	"	*Kimball, David T.	<i>Ipsw ch.</i> *1860
Harrington, Francis	"	Kimball, Edward D.	<i>Salem.</i>
Harrington, Leonard B.	"	Kimball, James	"
Hartney, Michael	"	Kimball, James S.	"
Haskell, Daniel C.	"	*Kimball, Nathaniel A.	" *1862
Haskell, J. P.	<i>Marblehead.</i>	Kimball, William	"
Haskell, William	<i>Beverly.</i>	*King, D. P.	<i>South Danvers.</i> *1850
Hawkes, C. M.	<i>East Saugus.</i>	King, Henry F.	<i>Salem.</i>
Hayward, Josiah	<i>Salem.</i>	*King, James B.	" *1865
Hayward, William P.	"	*King, John Glen	" *1857
Herrick, Henry P.	<i>Beverly.</i>	Kinsman, John	"
Herrick, Samuel D.	"	Kinsman, Nathaniel	"
Higbee, Charles H.	<i>Salem.</i>	Kinsman, Nathaniel J.	"
Hill, James	<i>Beverly.</i>	Kinsman, William L.	"
Hodges, Samuel R.	<i>Salem.</i>	Knight, Edward H.	"
Hoffman, Eliza A.	"		
Holden, Nathaniel J.	"	Lackey, And'w	<i>Marblehead.</i>
Horton, Nathaniel A.	"	*Lakeman, Eben K.	<i>Salem.</i> *1857
†Houghton, Abel, Jr.	<i>Lynn.</i>	Lamson, Charles	"
Howe, Octavius	<i>Beverly.</i>	Lamson, Frederick	"
*Howes, Frederick	<i>Salem.</i> *1855	Lander, William A.	<i>Danvers.</i>
*Howes, Frederick, Jr.	" *1849	Lane, Edward B.	<i>Salem.</i>
*Hubbard, Oliver	" *1849	Lawrence, Charles	<i>Danvers.</i>
*Hubon, Henry	" *1864	Leavitt, Joseph H.	<i>Salem.</i>
Hubon, Henry G.	"	Leavitt, Joseph S.	"
Hunt, Thomas	"	Leavitt, William	"
Hunt, T. Francis	"	Lee, Francis H.	"
Hunt, William	"	†Lee, John C.	"



*Lewis, Alonzo	<i>Lynn.</i>	*1861	Nichols, Isaiah	<i>Salem.</i>
Lincoln, Solomon, Jr.	<i>Salem.</i>		Nichols, John H.	"
Lindsey, Richard	"		Nichols, Nathan	"
Lodge, G. H.	<i>Swampscott.</i>		Nichols, William F.	"
Long, Isaac M.	<i>Salem.</i>		Norris, Charles H.	"
Lord, Andrew H.	"		Northend, William D.	"
Lord, George C.	"		Noyes, Amos	<i>Newburyport.</i>
Lord, Hannah, M.	"		Noyes, Enock K.	<i>Salem.</i>
Lord, Nathaniel J.	"			
Lord, Otis P.	"		*Oakes, William	<i>Ipswich.</i> *1848
Lord, William	<i>Danvers.</i>		Odell, Charles	<i>Salem.</i>
*Loring, Bailey	<i>Andover.</i>	*1860	*Odell, Thomas F.	" *1860
Loring, George B.	<i>Salem.</i>		Oliphant, David	<i>Andover.</i>
Lovett, Horace R.	<i>Beverly.</i>		Oliver, Henry K.	<i>Salem.</i>
Lowd, Albert J.	<i>Salem.</i>		Oliver, James E.	<i>Lynn.</i>
*Lufkin, Henry S.	"	*1866	Osborne, Henry	<i>Salem.</i>
			Osborne, Stephen	"
*Mack, Elisha	"	*1852	Osgood, Charles	"
Mack, William	"		Osgood, Charles S.	"
Mackie, John	"		Osgood, George P.	"
Mackintire, Ingalls K.	"		Osgood, John C.	"
Mackintire, Samuel	"		Osgood, Jos.	<i>So. Danvers.</i>
*Macmillen, William	"	*1862	Osgood, Jos. B. F.	<i>Salem.</i>
Maloon, William	"		Osgood, Robert	"
Manning, James	"		Osgood, William H.	"
Manning, Richard C.	"			
Manning, Robert	"		Page, Jeremiah	"
Mansfield, Charles	"		Palfrey, Charles W.	"
Mansfield, Daniel H.	"		Palmer, Theron	"
Marks, John L.	"		Palmer, William H.	"
Martin, William P.	"		Parker, George A.	"
*Masury, Samuel R.	"	*1858	Parker, John B.	"
McCloy, Robert	"		Parker, William B.	"
McKenzie, R. A.	"		Patch, Ira J.	<i>Lynn.</i>
McKenzie, S. S.	<i>Topsfield.</i>		Payson, Edward H.	<i>Salem.</i>
Merrill, S. A.	<i>Danvers.</i>		Peabody, Alfred	"
*Merritt, David	<i>Salem.</i>	*1862	Peabody, Francis	"
Messervy, William S.	"		†Peabody, George	"
Miller, Ephraim	"		Peabody, Henry W.	"
Moore, David	"		*Peabody, J. B.	<i>So. Danvers.</i> *1863
Mosman, A. T.	<i>Beverly.</i>		Peabody, Joseph	<i>Salem.</i>
Morong, Thos.	<i>Lanesville.</i>		Peabody, S. Endicott	"
Morton, Henry	<i>Salem.</i>		Pease, George W.	"
Moulton, William C.	"		Peck, Freeman S.	"
			Peele, J. Willard	"
*Neal, Harriet C.	"	*1865	Peele, Robert	"
Neilson, William	"		*Peirson, Abel L.	" *1853
Newcomb, Caleb	"		Peirson, Edward B.	"
Newhall, Ezra F.	"		Pepper, Charles Henry	"
*Newhall, Gilbert G.	"	*1863	Perkins, Augustine S.	"
Newhall, Thomas P.	"		Perkins, Daniel	"
Newhall, W. F.	<i>East Saugus.</i>		*Perkins, D. C.	<i>So. Danvers.</i> *1863
*Nichols, A.	<i>South Danvers.</i>	*1853	*Perkins, Edward L.	<i>Salem.</i> *1864
Nichols, Charles F.	<i>Salem.</i>		Perkins, George	"
Nichols, Francis W.	"		Perkins, George A.	"

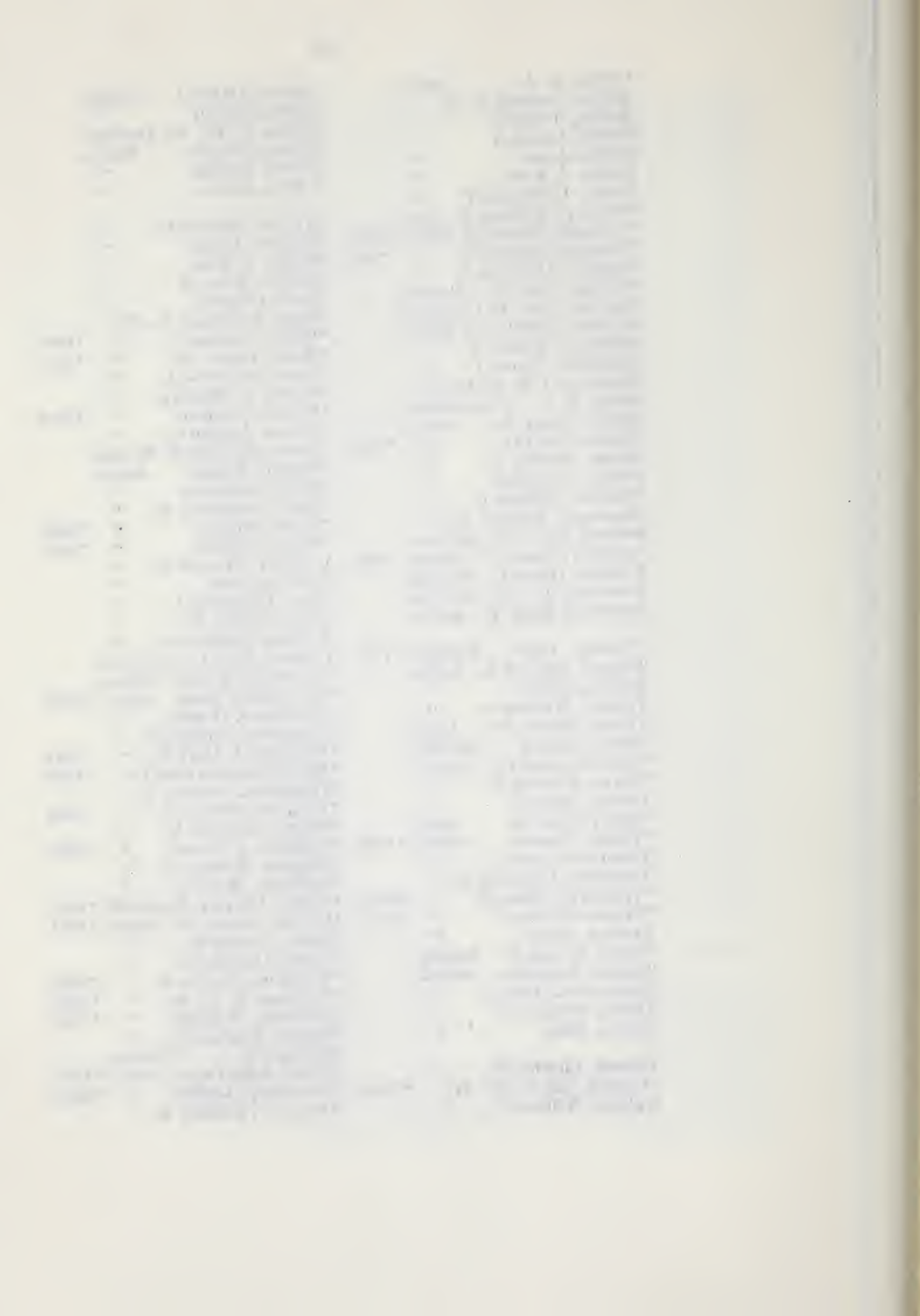


Perkins, Jeremiah S. <i>Salem.</i>		Roberts, David	<i>Salem.</i>
Perkins, Jonathan C.	"	Roberts, E. F.	"
Perkins, Nathaniel B.	"	Roberts, E. K.	"
Perkins, Thomas L.	"	Roberts, J. W.	"
Perley, Jonathan	"	Roberts, William S.	"
Perry, Augustus	"	Robinson, John	"
*Perry, G. B. <i>Groveland.</i>	*1859	Rogers, Edward S.	"
Perry, Jairus W. <i>Salem.</i>		Rogers, Richard D.	"
Phillips, Edward B.	"	Rogers, Richard S.	"
*†Phillips, Stephen C.	*1857	Rogers, William C.	"
Phillips, Stephen H.	"	Ropes, Charles A.	"
Phillips, Willard P.	"	Ropes, Edward D.	"
Phippen, George D.	"	Ropes, George	"
Phippen, Joseph H.	"	Ropes, James	"
Pickering, John	"	Ropes, Jonathan	"
Pickman, Benjamin	"	Ropes, Ripley	"
Pickman, Francis W.	"	Ropes, Timothy	"
*Pickman, William	*1857	Roundy, Charles	"
Pickman, William D.	"	Roundy, George	<i>Beverly.</i>
Pinnock, Thomas	"	Russell, Albert B.	<i>Salem.</i>
Pond, Thomas M.	"	Russell, George	"
Poor, Alfred	"	Russell, Geo. P.	<i>Haverhill.</i>
Poor, Eben S. <i>So. Danvers.</i>		Rust, Francis A. P.	<i>Salem.</i>
Pope, James	<i>Salem.</i>		
Porter, Frederick	"	Safford, Daniel E.	<i>Hamilton.</i>
Porter, J. W.	"	Safford, James O.	<i>Salem.</i>
Porter, Samuel	<i>Beverly.</i>	Safford, Joshua	"
*Potter, Joseph A. <i>Salem.</i>	*1859	Saltonstall, Caroline	"
*Potter, William O.	*1862	Saltonstall, H. <i>So. Danvers.</i>	
Pousland, George W.	"	Saltonstall, Leverett	<i>Boston.</i>
Price, Charles H.	"	Sanborn, Fr's G.	<i>Andover.</i>
Proctor, T. E. <i>So. Danvers.</i>		Sanders, Charles	<i>Salem.</i>
Parbeck, William A. <i>Salem.</i>		*Sanders, Elizabeth	" *1851
Putnam, Charles A.	"	*Sargent, Winthrop	" *1850
*Putnam, Charles F.	*1862	Saunders, Thomas M.	"
Putnam, Eben	"	Saunders, William	"
Putnam, Edmund Q.	"	Savory, Tristram T.	"
Putnam, Elizabeth A.	"	Scripture, James O.	"
Putnam, Francis	"	Sewall, Charles	"
Putnam, Frederic W.	"	Shaw, Brown E.	"
Putnam, Henry W.	"	Shaw, Xenophon H.	"
Putnam, Otis F. <i>Danvers.</i>		Shepard, Henry F.	"
Putnam, W. H. A. <i>Salem.</i>		*Shepard, Israel D.	" *1857
		Shepard, John B.	"
Quimby, E. Hervey	"	*Shepard, Michael	" *1856
		Shepard, Michael W.	"
Rantoul, Robert S.	"	Sheppard, S. A. D.	"
Rea, Charles S.	"	*Sibley, John S.	" *1861
Rea, Samuel G.	"	Silsbee, Benjamin H.	"
Read, George F.	"	*Silsbee, Nathaniel	" *1850
Reith, William, Jr.	"	Silsbee, William H.	"
Richardson, Charles M.	"	Silver, Peter	"
Richardson, Charles W.	"	Silver, William	"
*Rider, George W.	*1859	Simonds, E. A.	"
Rider, Joseph J.	"	Skerry, Henry F.	"

No.		Date		Description		Amount	
1	1880	Jan 1	Balance			100.00	
2	1880	Jan 15	Received from A. B.			50.00	
3	1880	Feb 1	Received from C. D.			25.00	
4	1880	Mar 1	Received from E. F.			75.00	
5	1880	Apr 1	Received from G. H.			100.00	
6	1880	May 1	Received from I. J.			150.00	
7	1880	Jun 1	Received from K. L.			200.00	
8	1880	Jul 1	Received from M. N.			250.00	
9	1880	Aug 1	Received from O. P.			300.00	
10	1880	Sep 1	Received from Q. R.			350.00	
11	1880	Oct 1	Received from S. T.			400.00	
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# STATISTICAL ABSTRACT

Year	Population	Area	Population	Area
1900	1,234,567	10,000	1,234,567	10,000
1910	1,345,678	11,000	1,345,678	11,000
1920	1,456,789	12,000	1,456,789	12,000
1930	1,567,890	13,000	1,567,890	13,000
1940	1,678,901	14,000	1,678,901	14,000
1950	1,789,012	15,000	1,789,012	15,000
1960	1,890,123	16,000	1,890,123	16,000
1970	1,901,234	17,000	1,901,234	17,000
1980	1,912,345	18,000	1,912,345	18,000
1990	1,923,456	19,000	1,923,456	19,000
2000	1,934,567	20,000	1,934,567	20,000

Demond, Elijah P.  
 \*Dodge, Joshua  
 Downes, Andrew  
 Drake, Samuel G.  
 Draper, Lyman C.  
 \*Ducachet, Henry W.

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 Endicott, James B.  
 Endicott, William  
 \*Everett, Edward

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 Folsom, George  
 \*Fowle, William B.  
 Frothingham, Richard

Gabb, W. M.  
 Galloup, Daniel P.  
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 Gill, Theodore  
 Gould, Augustus A.  
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*Kendall, " \*1857*  
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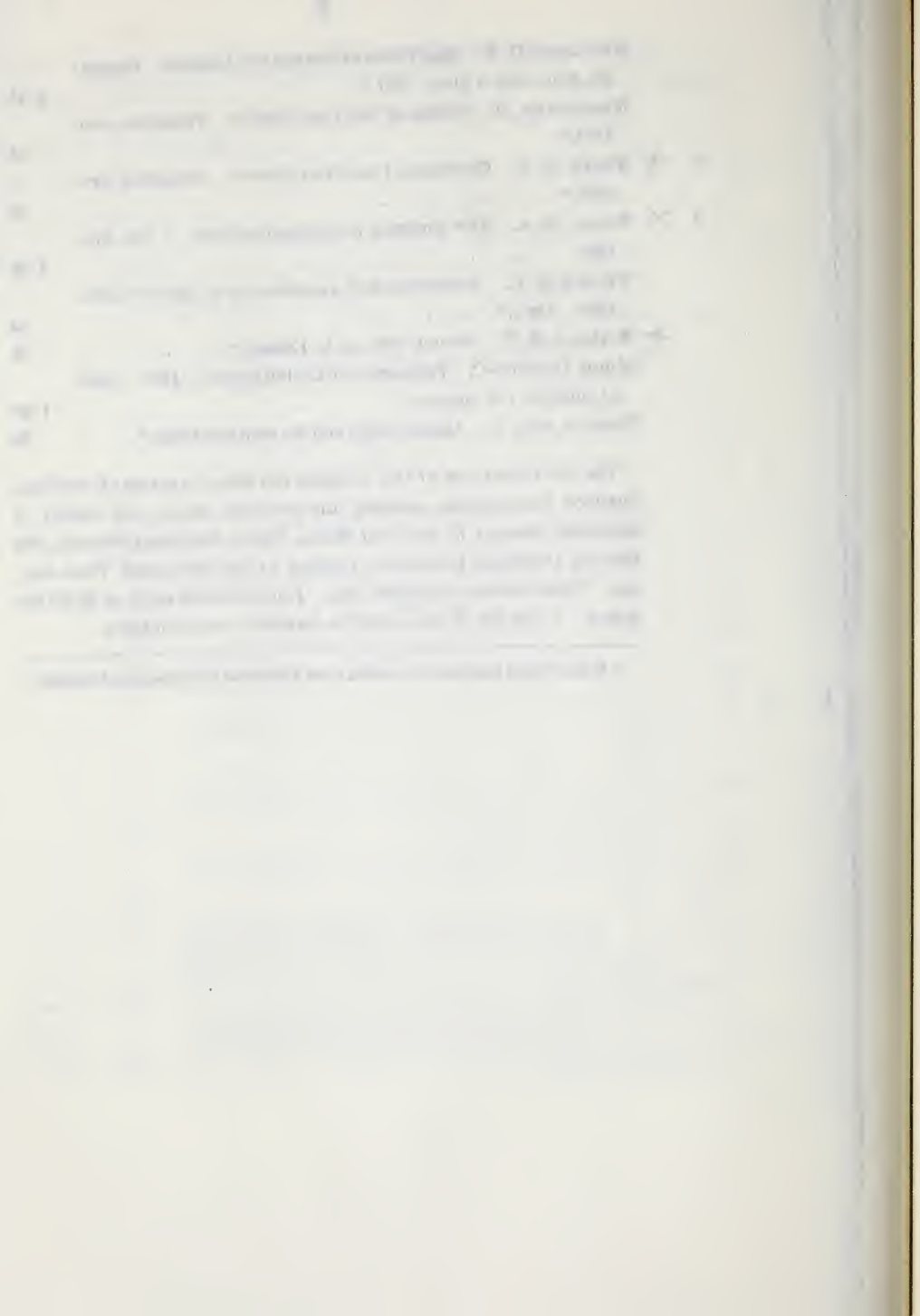


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